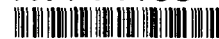


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**SPACE SHUTTLE ORBITER TRIMMED CENTER-OF-
GRAVITY EXTENSION STUDY**

**VOLUME II - EFFECTS OF CONFIGURATION MODIFICATIONS ON
THE AERODYNAMIC CHARACTERISTICS OF
THE 140 A/B ORBITER AT TRANSONIC SPEEDS**

W. PELHAM PHILLIPS

SEPTEMBER 1976

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STUDY: VOLUME 2: EFFECTS OF CONFIGURATION
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SPACE SHUTTLE ORBITER TRIMMED CENTER-OF-
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MODIFICATIONS ON THE AERODYNAMIC CHARACTERISTICS OF
THE 140A/B ORBITER AT TRANSONIC SPEEDS

by W. Pelham Phillips
Langley Research Center

SUMMARY

Transonic aerodynamic tests were conducted in the Langley 8-Foot Transonic Pressure Tunnel to determine the effects of fuselage forebody and wing fillet modifications on the longitudinal and lateral-directional characteristics of a 140A/B Space Shuttle Orbiter configuration.

The effects of the two forebody modifications on the longitudinal and lateral-directional aerodynamic characteristics were minimal; some slight increases in lift were produced by the modifications as were slight destabilizing pitching moments. Significant destabilizing longitudinal stability levels were produced by both of the planform fillet modifications. Favorable effects in lateral-directional stability characteristics were produced by an 85° swept fillet modification. Both the large and small canards tested produced significant reductions in longitudinal stability levels, with the largest canard, C₄, having the largest destabilizing effect. The lateral-directional characteristics of configurations incorporating the canards were improved over those of the baseline orbiter.

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INTRODUCTION

The longitudinal center-of-gravity range of the Space Shuttle Orbiter for trimmed flight during entry, approach, and landing is quite limited. This puts a considerable constraint on the allowable mass distribution of shuttle payloads. In an effort to extend the orbiter center-of-gravity envelope, a study was undertaken at the Langley Research Center into the feasibility of developing simple, "bolt-on" modifications. Modifications which were studied included changes in fuselage nose shape and wing fillet planform and the addition of fixed canard surfaces. Systems design analyses were undertaken to determine the weight penalties. Aerodynamic heating tests and analyses provided information on the impact of the modifications on thermal protection system requirements. Wind-tunnel force and moment tests were conducted across the speed range to assess the effectiveness of the modifications in extending the center-of-gravity envelope and the influence of the modifications on flight characteristics. Hypersonic aerodynamic characteristics of the modifications are presented in reference 1.

The purpose of this paper is to present the effects of modifications on the subsonic and transonic aerodynamic characteristics of the orbiter. The investigation was conducted in the Langley 8-Foot Transonic Pressure Tunnel at Mach numbers from 0.35 to 1.20. The angle-of-attack range extended from approximately -3° to 23° at sideslip angles of 0° and 5° .

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SYMBOLS

The longitudinal aerodynamic data are presented about the stability system of axes while the lateral-directional aerodynamics are presented about the body axes. All the aerodynamic data contained herein were nondimensionalized using the same values for wing reference area, span and mean aerodynamic chord. The moment reference point is located at 65 percent of the fuselage reference length, i.e., 21.38 cm (8.42 in.) aft of the model nose. Values are given in both SI and US Customary Units. When two symbols are listed for an aerodynamic coefficient, the second symbol applies to the computerized tabulation of coefficients in the appendix.

A	aspect ratio
b	wing span, 23.79 cm (9.37 in.)
c	mean aerodynamic chord, 12.06 cm (4.75 in.)
C_A, C_A	axial force coefficient, $\frac{\text{Axial force}}{q_\infty S_{\text{ref}}}$
C_D, C_D	drag coefficient, $\frac{\text{Drag}}{q_\infty S_{\text{ref}}}$
C_L, C_L	lift coefficient, $\frac{\text{Lift}}{q_\infty S_{\text{ref}}}$
C_m, C_m	pitching moment coefficient, $\frac{\text{Pitch}}{q_\infty S_{\text{ref}} c}$
C_N, C_N	normal force coefficient, $\frac{\text{Normal force}}{q_\infty S_{\text{ref}}}$
C_{l_r}, C_{l_r}	rolling moment coefficient, $\frac{\text{Roll}}{q_\infty S_{\text{ref}} b}$
C_n, C_n	yawing moment coefficient, $\frac{\text{Yaw}}{q_\infty S_{\text{ref}} b}$
C_Y, C_Y	side force coefficient, $\frac{\text{Side force}}{q_\infty S_{\text{ref}}}$
C_{l_β}	$\left(\frac{\Delta C_l}{\Delta \beta} \right) \beta = 0^\circ, 5^\circ$; per degree

$C_{n\beta} \quad \left(\frac{\Delta C_n}{\Delta \beta} \right) \quad \beta = 0^\circ, 5^\circ, \text{ per degree}$

$C_{Y\beta} \quad \left(\frac{\Delta C_Y}{\Delta \beta} \right) \quad \beta = 0^\circ, 5^\circ, \text{ per degree}$

L/D lift-drag ratio

ℓ_{ref} fuselage reference length, 32.77 cm (12.90 in.)

M Mach number

q_∞ free-stream dynamic pressure, Newtons per meter²
(lb/ft²)

R_ℓ free-stream Reynolds number based on ℓ_{ref}

S_{ref} wing reference area, 0.02 m² (0.27 ft²)

x_0, y_0 model stations, cm (in.)

α angle of attack, deg

β sideslip angle, deg

δ_{SF} body flap deflection angle (positive for trailing edge deflected downward), deg

δ_e elevon deflection angle (positive for trailing edge deflected downward), deg.

δ_{SD} split rudder flare angle (positive for trailing edges deflected outboard), deg.

Model Configuration Components:

B_1MVS_0EF baseline 140 A/D orbiter configuration

B_1 baseline fuselage forebody

W baseline wing (outboard panel) having a leading-edge sweep of 45°

V baseline vertical tail

S_0 baseline planform fillet

E baseline elevon

- F baseline body flap
- B₂ cambered fuselage forebody modification having identical planform to B₁
- B₄ enlarged planform and cambered fuselage forebody modification
- S₁ planform fillet modification having a reduced leading-edge sweep angle (76.2°)
- S₂ fillet modification having planform geometry similar to a strake
- C₃ small canard with flat plate airfoil sections
- C₄ large canard with flat plate airfoil sections

APPARATUS AND TESTS

Model

Geometric details of the model used in the wind tunnel investigation are shown in figure 1 and table I with model photographs in figure 2. The baseline configuration (fig. 1(a)) was an 0.01-scale model of the Rockwell International 140A/B Space Shuttle Orbiter configuration geometrically described in reference 1. The model had a removable forebody and removable components in the wing planform fillet region which allowed geometry modifications. The modifications shown in figures 1(b) to 1(e) consisted of two fuselage forebody configurations, B_2 and B_4 , two wing planform fillet configurations, S_1 and S_2 , and two canard configurations, C_3 and C_4 .

The B_2 forebody modification exhibited increased ramping of the fuselage nose lower surface (negative camber) while maintaining the baseline orbiter fuselage cross-section distribution and, hence, the projected planform area. The increased lower surface slopes were accompanied by an upward displacement of the nose cap of 0.508 cm (0.200 in.) and a smooth fairing of the cross sections, from the nose vertical origin aft to an x_0 station of approximately 10.16 cm, which terminated the forebody modification. The B_4 modification exhibited cross section modifications which produced increased forebody length and span (the nose cap originated at $x_0 = 5.309$ cm and the B_4 forebody terminated at an x_0 station of approximately 10.16 cm) where it faired with the baseline fuselage.

Planform fillet modification S_1 shown in figure 1(d), intersected the fuselage at approximately the same point as baseline fillet S_0

($x_0 = 13.44$ cm) but exhibited a lower leading-edge sweep angle of 76.2° . The resulting intersection of the S_1 fillet configuration with the orbiter reference wing panel was further outboard than for the baseline (S_0) fillet. The leading edge of the S_2 fillet produced a planform shape very similar to a strake (fig. 1(d)). Fillet S_2 had a leading-edge sweep angle of 67.4° extending outboard to $y_0 = 3.584$ cm and $x_0 = 12.929$ cm. At this point the fillet leading-edge sweep increased to 85° and the effective fillet intersection point with the outboard wing panel was the same as for the baseline fillet (S_0) intersection. Both fillet modifications exhibited streamwise sections which were faired with the outboard wing panel and had leading-edge radii identical to those of the baseline fillet, S_0 .

Canards C_3 and C_4 (fig. 1(e)) had flat plate sections with rounded leading edges and sharp trailing edges. The leading-edge sweep angles for canards C_3 and C_4 were 55.0° and 54.7° , respectively. The trailing edge of canards C_3 and C_4 were formed by circular arc segments having radii of 5.245 cm and 6.217 cm, respectively.

Tests

The investigation was conducted in the Langley 8-Foot Transonic Pressure Tunnel at Mach numbers from 0.35 to 1.20. Free-stream Reynolds numbers (based on fuselage reference length) for the investigation ranged from 2.20×10^6 at $M = 0.35$ to 4.54×10^6 at $M = 1.20$. Test angles of attack were varied from about -3° to 23° at 0° and 5° sideslip. An internally mounted six-component strain gage balance was used to measure aerodynamic forces and moments acting on the model. Corrections have been

applied herein to the angles of attack and sideslip to account for sting and balance deflections produced by aerodynamic loads on the model. To avoid shock impingement on the model, no data were obtained between Mach numbers of 0.98 and 1.20.

Transition strips were located behind the leading edges of all model components using 0.25 cm wide bands composed of carborundum grains. The following tabulation shows the nominal grain diameters and the locations of the upstream edge of the transition strips for each model component.

<u>COMPONENT</u>	<u>NOMINAL GRAIN DIAMETER, CM</u>	<u>STRIP LOCATION (MEASURED PERPENDICULARLY FROM COMPONENT LEADING EDGE, CH)</u>
Wing	0.0124	1.27
Fuselage forebody	0.0124	3.05
Vertical tail	0.0124	1.27
Planform fillets	0.0150	1.27
Canards	0.0124	1.27

RESULTS AND DISCUSSION

Aerodynamic data obtained in the present study are tabulated by run number in the appendix which also includes a Data Set/Run Number Collation Summary to expedite the location of data for a particular configuration and test condition.

Longitudinal Aerodynamic Characteristics

The longitudinal aerodynamic characteristics for the baseline orbiter configuration, B_1WVS_0EF , are shown in figure 3. Effects of the various configuration modifications are presented in figures 4 to 11 and may be indexed as follows:

Effect of modification(s):	Figure
B_2 forebody	4
B_4 forebody	5
S_1 fillet	6
S_2 fillet	7
C_3 canard	8
C_4 canard	9
B_2 and S_2	10
B_2 and C_3	11

Effects of fuselage forebody modification.- The B_2 forebody modification produced a slight increase in lift over the test angle-of-attack range at Mach numbers below 0.98 as shown in figure 4. This effect is attributed to the negative camber increment of the B_2 forebody. Only very insignificant effects are shown for B_2 at $M = 0.98$ and 1.20 (i.e., figs. 4(d) and 4(e)).

The primary effect of forebody B_4 (fig. 5) was the introduction of a small destabilizing increment in longitudinal stability which was present over the speed range of the investigation. Incremental lift changes for B_4 were in general smaller than for B_2 .

Effect of planform fillet reshaping.- Replacing the baseline fillet, S_0 , with planform fillet S_1 resulted in increased $C_{L\alpha}$ and a significant reduction in longitudinal stability (fig. 6). Also, attributable to the S_1 modification, were increased values of $(L/D)_{\max}$ at Mach numbers from 0.8 to 1.2. $(L/D)_{\max}$ at $M = 0.35$ is reduced by about 0.25 for the S_1 configuration.

Some longitudinal aerodynamic effects of adding fillet S_2 are indicated in figure 7 by the incremental increase in lift shown for the configuration with $\delta_e = 0^\circ$ and $\delta_{BF} = -11.7^\circ$. This incremental lift increase on the fillet produces a reduction in longitudinal stability and a general reduction in pitching moment coefficients at zero lift. The $(L/D)_{\max}$ increase for $0.8 \leq M \leq 0.98$ noted for the S_2 fillet configuration is similar to those shown for the S_1 configuration. $(L/D)_{\max}$ at $M = 0.35$ is reduced by about 0.25 for configuration B_1WVS_2EF .

Effects of Canards.- Addition of the small canard, C_3 , (fig. 8) produced a significant destabilizing pitching moment shift and an increase in pitching moment at zero lift over the Mach range of the investigation. Only slight changes in L/D are attributed to the canard addition at $0.8 \leq M \leq 1.20$. A reduction in $(L/D)_{\max}$ of approximately 0.2 was noted at $M = 0.35$.

The large canard, C_4 , produced a larger destabilizing pitching moment than did C_3 (i.e., fig. 9). Increases in lift curve slope were noted for the C_3 and C_4 configuration at Mach numbers of 0.9 and 0.98. A 0.3 reduction in $(L/D)_{\max}$ is attributable to the addition of C_4 at $M = 0.35$ with much smaller variations noted at the higher Mach numbers of the study.

Effect of B_2 in combination with S_2 and C_3 . Tests were conducted with the B_2 forebody modification in combination with S_2 and C_3 (figs. 10 and 11). Comparison of these data with previously discussed figures 7 and 8 for configurations B_1WVS_2EF and $B_1WVS_0C_3EF$, respectively, indicates no significant variations in the longitudinal aerodynamic characteristics due to B_2 for the S_2 fillet or the C_3 canard modified configurations.

Lateral-Directional Aerodynamic Characteristics

The transonic lateral-directional stability characteristics of the baseline orbiter configuration B_1WVS_0EF were, in general, not materially affected by the incorporation of modified fuselage forebodies B_2 and B_4 (fig. 12) over the angle-of-attack range of the tests.

Addition of the wing planform fillet S_2 (fig. 13) produced an increase in stable lateral stability levels ($-C_{l\beta}$) at moderate angles of attack ($8^\circ \leq \alpha \leq 20^\circ$) over the Mach number range of the study. The S_2 fillet addition also produced stable increments in $C_{n\beta}$ at Mach numbers of 0.80 through 1.20 at moderate to high angles of attack.

In general, the lateral-directional characteristics of the orbiter were improved by the addition of canards C_3 or C_4 . Both $C_{n\beta}$ and $-C_{l\beta}$ were increased at all Mach numbers tested.

Summary of Results

Tests were conducted in the Langley 8-Foot Transonic Pressure Tunnel to determine the effects of fuselage forebody and wing fillet modifications on the transonic aerodynamic characteristics of a Space Shuttle Orbiter configuration. Results are summarized as follows:

1. Fuselage forebody modifications B_2 and B_4 had only small effects on the transonic aerodynamic characteristics of the model.

2. Significant destabilizing longitudinal stability levels were produced by both the S_1 and S_2 planform fillet modifications. The fillet geometry changes also produced a reduction in $(L/D)_{\max}$ at $M = 0.35$ and, in general, increased $(L/D)_{\max}$ at the higher Mach numbers. Favorable effects in lateral-directional stability characteristics were produced by the S_2 modification.

3. Canards C_3 and C_4 when added to the baseline configuration produced significant reductions in longitudinal stability levels with the largest canard, C_4 , having the largest destabilizing effect. The lateral-directional characteristics of configurations incorporating the canards were improved over those of the baseline orbiter.

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1. Bernot, Peter T.: Space Shuttle Orbiter Trimmed Center-of-Gravity Extension Study. Vol. I - Effects of Configuration Modifications on the Aerodynamic Characteristics of the 140 A/B Orbiter at Mach 10.3. NASA TM X-72661, 1975.
2. Schaefer, William T., Jr.: Characteristics of Major Active Wind Tunnels at the Langley Research Center. NASA TM X-1130, July 1965.

TABLE I.- MODEL GEOMETRY

Theoretical wing:

Area, planform, m^2 (ft^2)	0.02499 (0.2690)
Area, elevon, m^2 (ft^2)	0.001951 (0.0210)
Span, cm (in.)	23.792 (9.367)
Chord, center-line root, cm (in.)	17.507 (6.892)
Chord, tip, cm (in.)	3.501 (1.378)
Taper ratio	0.20
Aspect ratio	2.265
Leading-edge sweep angle, deg	45.0
Trailing-edge sweep angle, deg	-10.0
Dihedral angle, deg	3.5
Incidence angle, deg ($y_0 = 5.056$ cm)	0.5
Twist angle, deg	3.0
Airfoil section, tip	0012-64 modified
x_0 , wing leading edge, plane of symmetry intersection, cm (in.)	21.234 (8.360)

Fuselage, baseline B_1 configuration:

Length, reference, cm (in.)	32.774 (12.903)
Length, nose-to-body flap hingeline, cm (in.)	32.850 (12.933)
Width, maximum excluding base flare, cm (in.)	5.486 (2.160)
Depth, maximum, cm (in.)	6.350 (2.500)
z_0 , reference - forebody apex, cm (in.)	8.585 (3.380)

Fuselage, B_2 configuration:

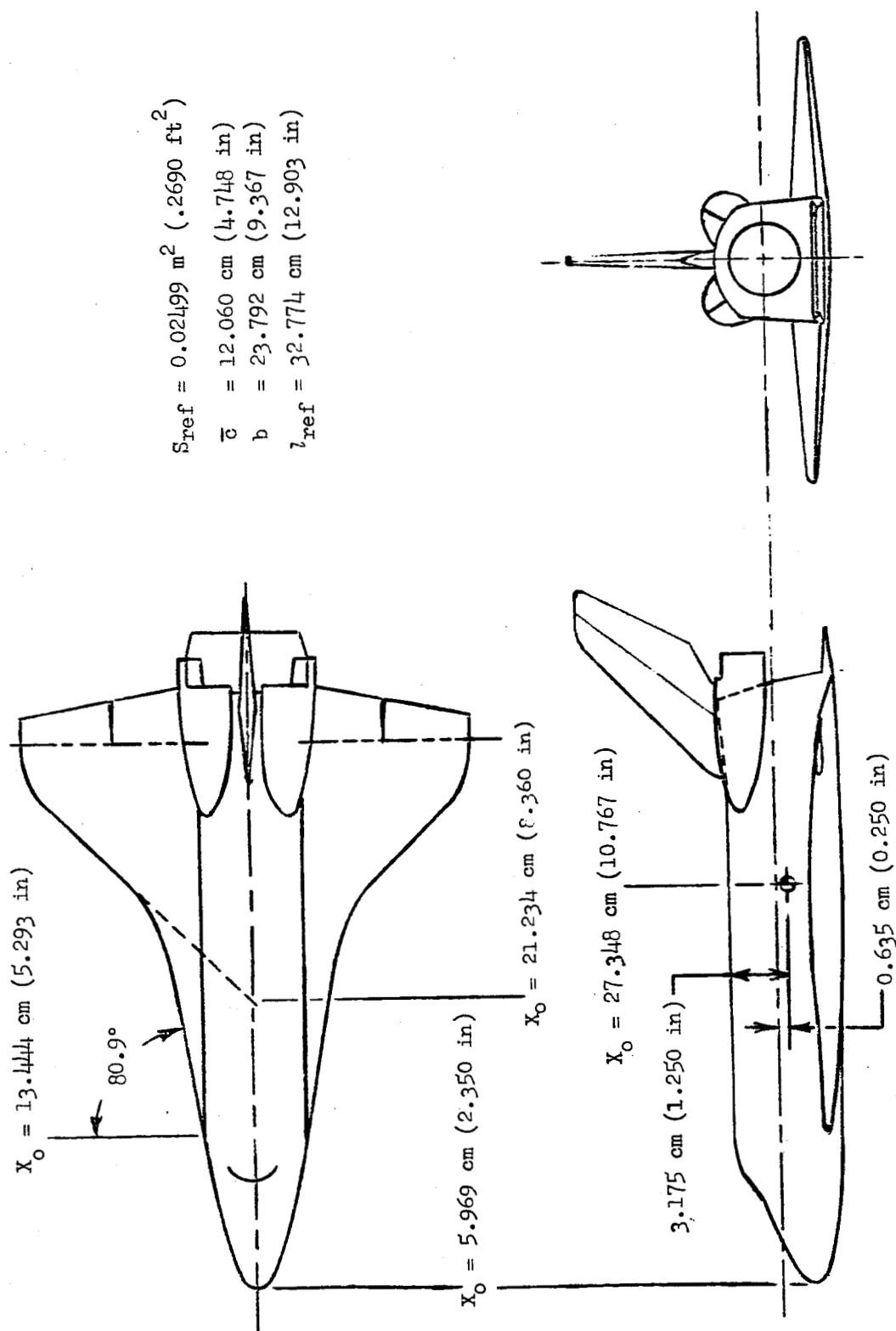
Length, reference, cm (in.)	32.774 (12.903)
Length, nose-to-body flap hingeline, cm (in.)	32.850 (12.933)

TABLE I.-CONTINUED

Width, maximum excluding base flare, cm (in.)	5.486 (2.160)
Depth, maximum, cm (in.)	6.350 (2.500)
z_0 , reference-forebody apex, cm (in.)	9.093 (3.580)
Fuselage, B_L configuration:	
Length, reference, cm (in.)	32.774 (12.903)
Length, nose-to-body flap hingeline, cm (in.)	33.510 (13.193)
Width, maximum excluding base flare, cm (in.)	5.486 (2.160)
Depth, maximum, cm (in.)	6.350 (2.500)
z_0 , reference-forebody apex, cm (in.)	9.042 (3.560)
Wing planform fillet S_0 , baseline:	
Leading-edge sweep angle, deg	80.9
x_0 , wing leading-edge (theoretical) intersection cm (in.)	25.984 (10.230)
Wing, planform fillet S_1 :	
Leading-edge sweep angle, deg	76.2
x_0 , wing leading-edge (theoretical) intersection cm (in.)	27.940 (11.000)
Wing planform fillet S_2 :	
Leading-edge sweep angle (forward portion), deg	67.4
Leading-edge sweep angle (aft portion), deg	85.0
x_0 , intersection of forward and aft fillet leading-edges, cm (in.)	12.929 (5.090)
x_0 , intersection of aft fillet and theoretical wing, cm (in.)	25.984 (10.230)
Canard C_3 :	
Exposed area, m^2 (ft^2)	0.001241 (0.013363)
Leading-edge sweep angle, deg	54.7
Canard, C_4 :	
Exposed area, m^2 (ft^2)	0.002544 (0.027388)
Leading-edge sweep angle, deg	54.7
Vertical tail:	
Area (theoretical), m^2 (ft^2)	0.003839 (0.041325)

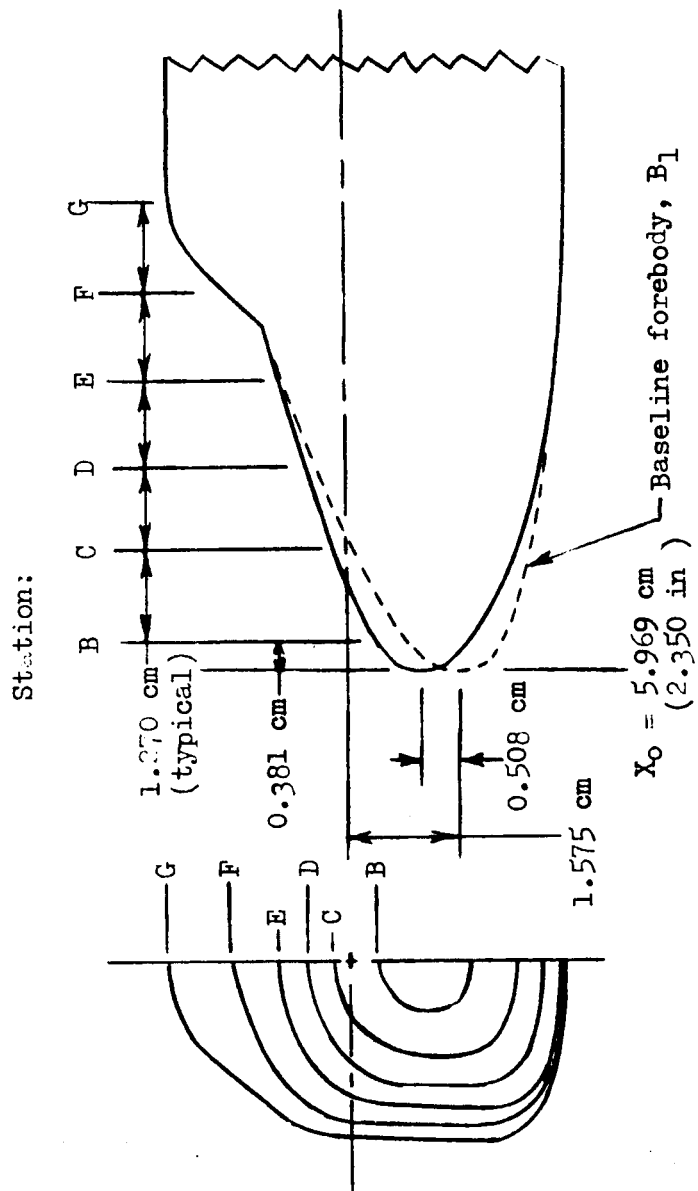
TABLE I.-CONCLUDED

Leading-edge sweep angle, deg	45.0
Root chord (theoretical), cm (in.)	6.820 (2.685)
Tip chord (theoretical), cm (in.)	2.755 (1.085)
Span, cm (in.)	8.019 (3.157)



(a) Three-view of baseline orbiter model (Configuration B₁WVS₀EF)

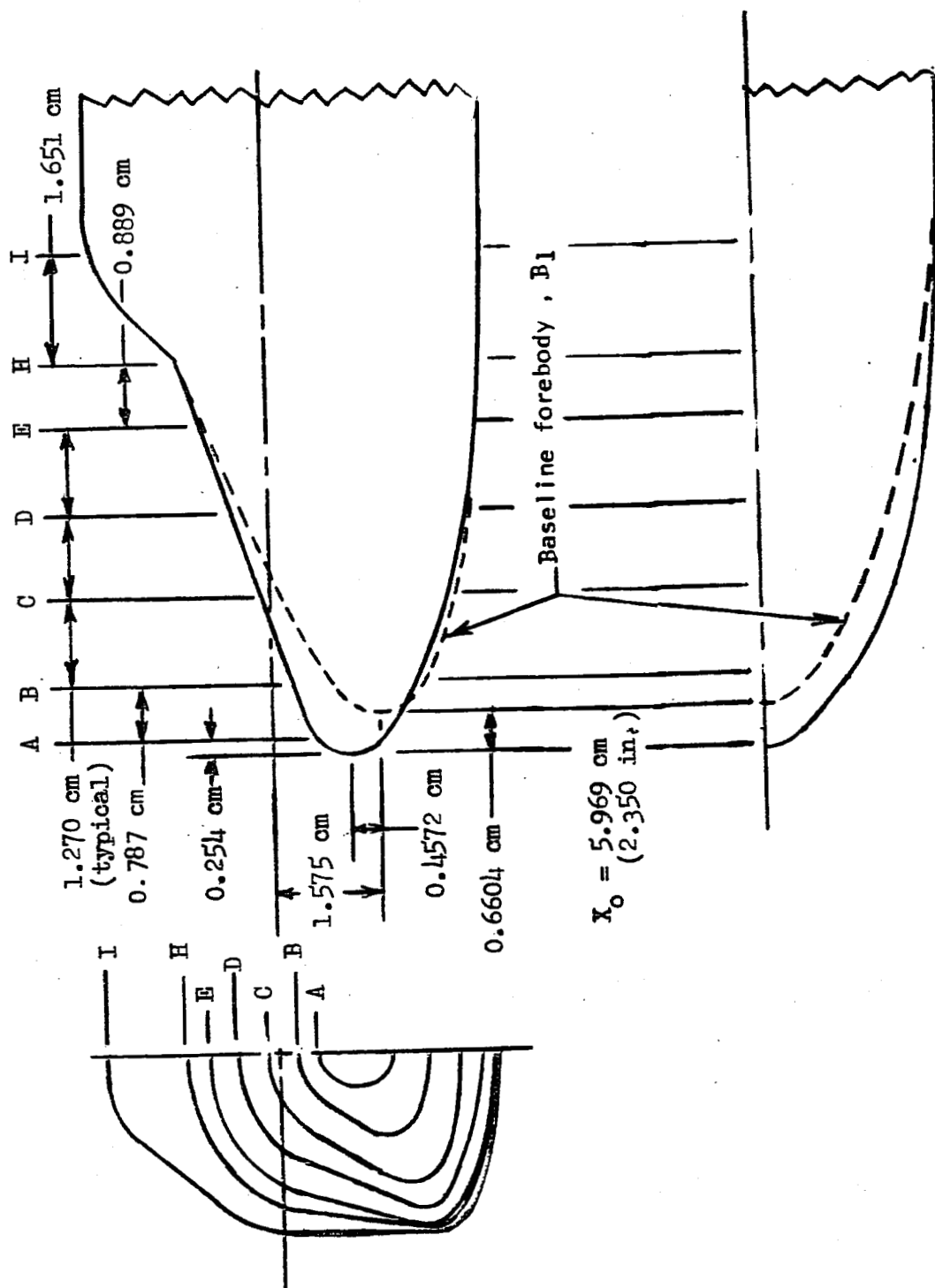
Figure 1.- Model drawings.



(b) Forebody B_2

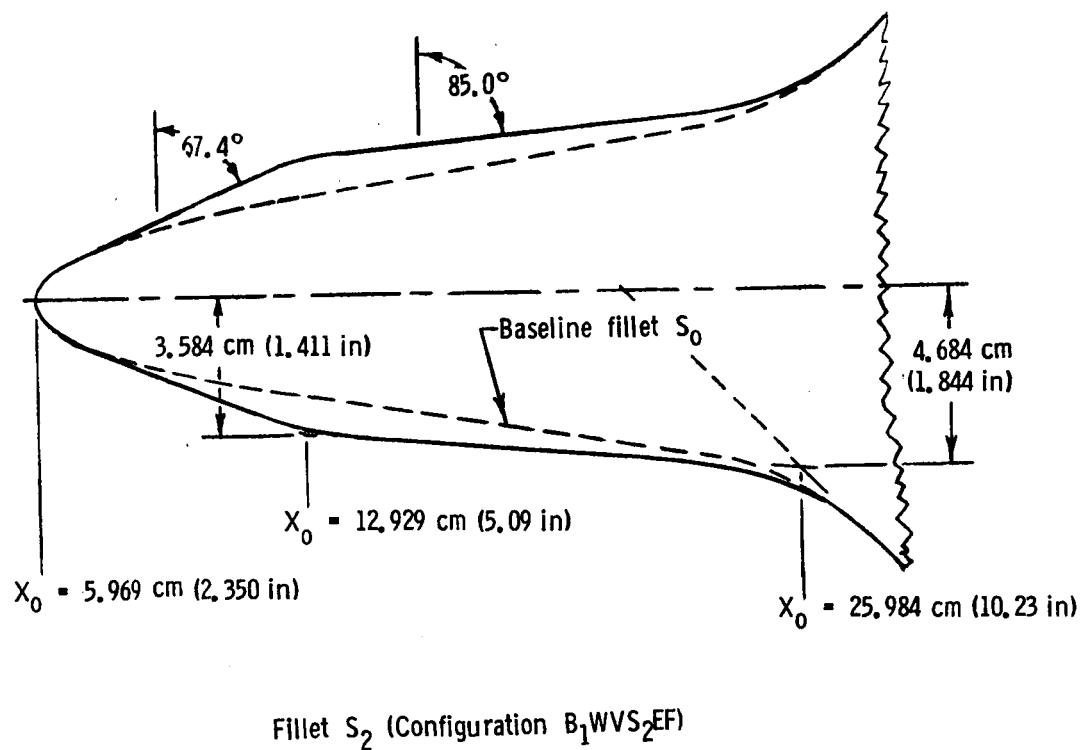
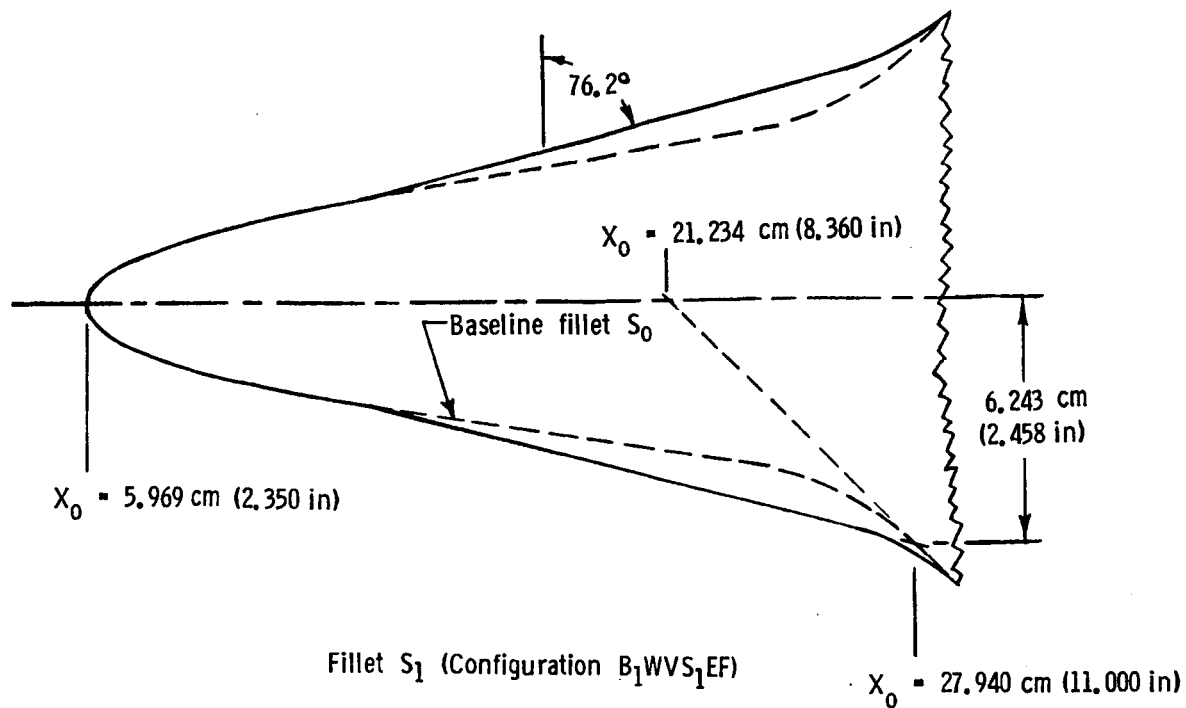
Figure 1.- Continued.

Station:



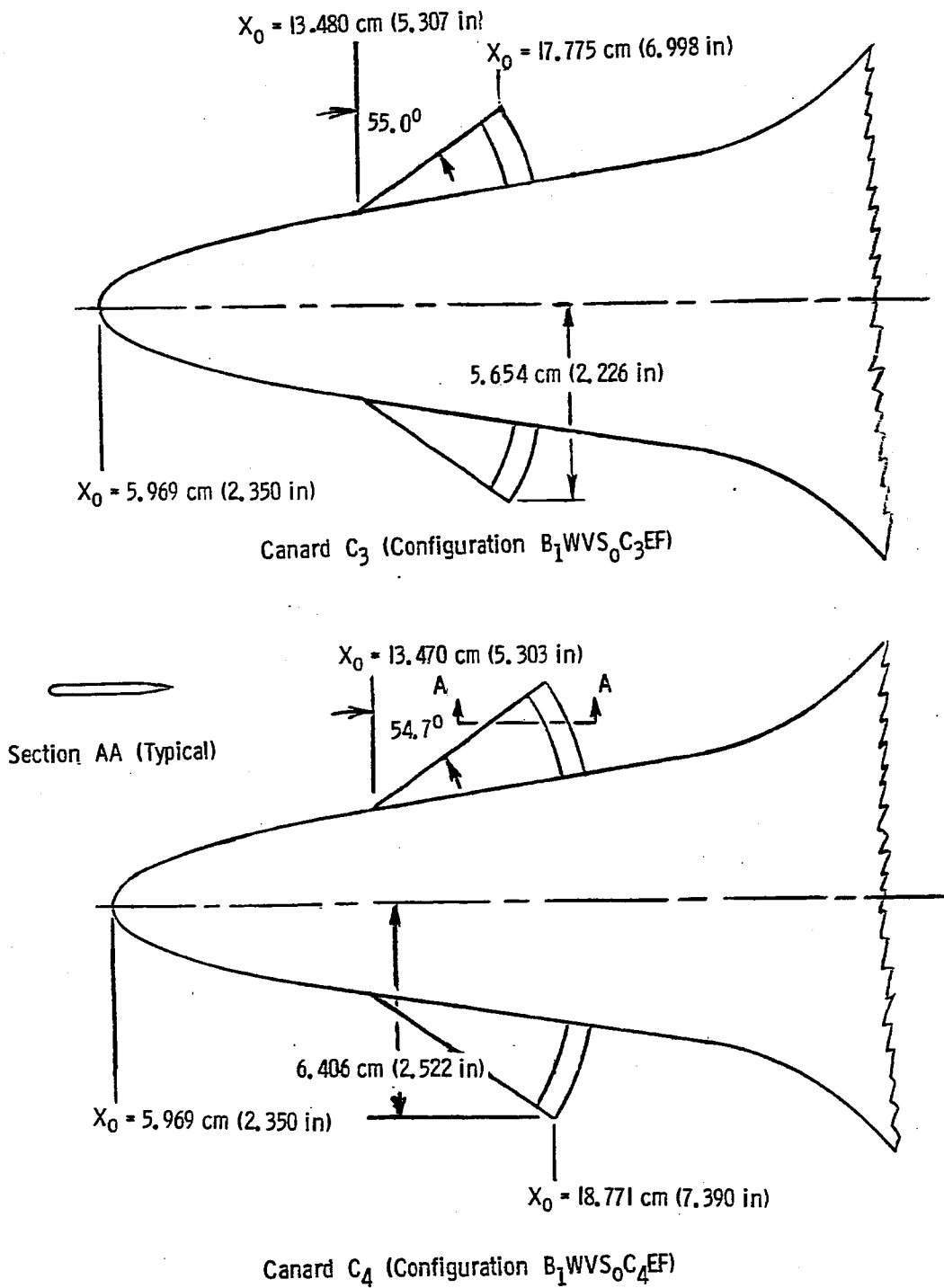
(c) Forebody B_4

Figure 1.- Continued.



(d) Fillets S_1 and S_2

Figure 1 - Continued.



(e) Canards C₃ and C₄

Figure 1.- Concluded.

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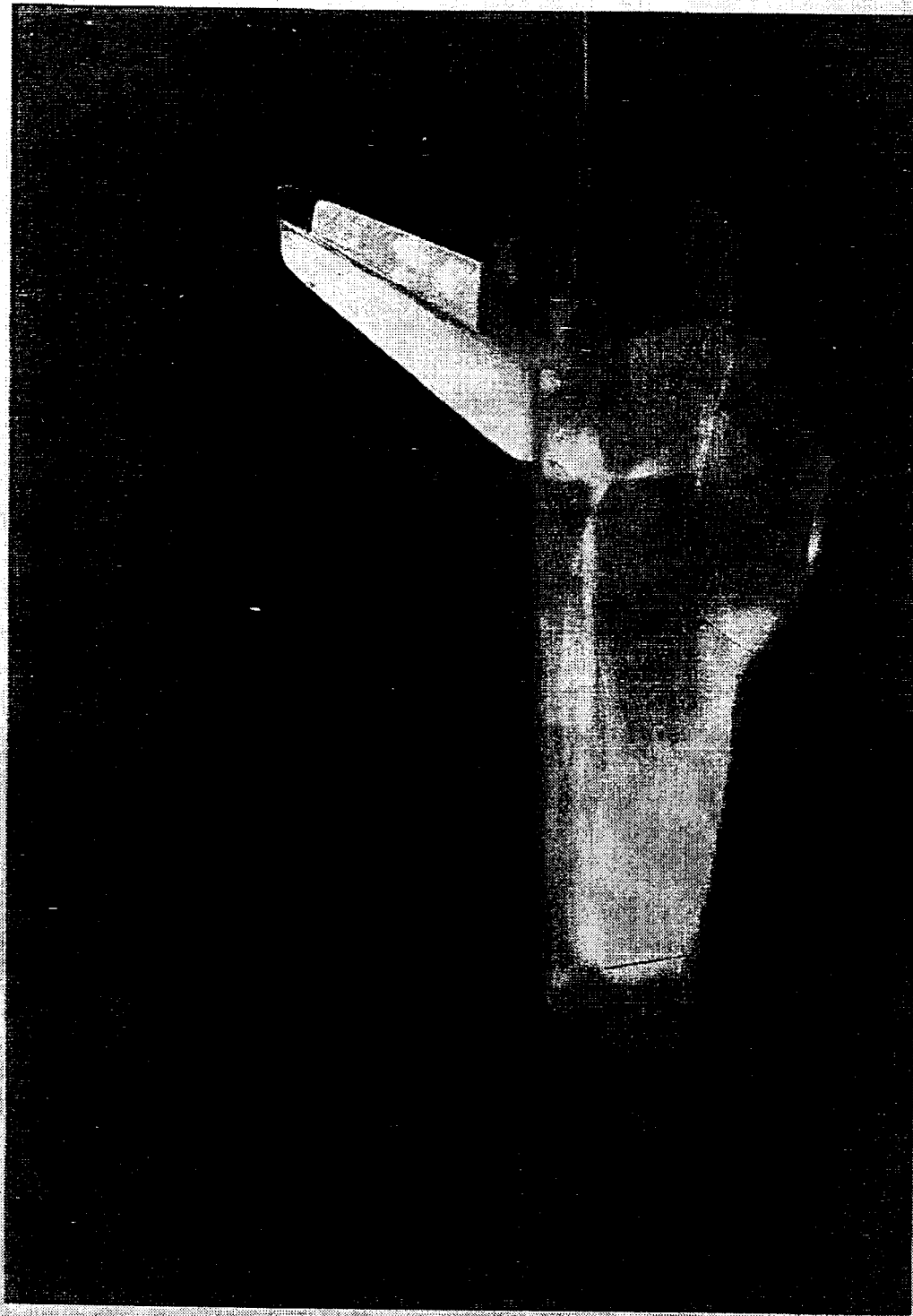
(a) Baseline 140 A/B orbiter model (Configuration B₁ WVS EF)

Figure 2.- Photographs of several test configurations.



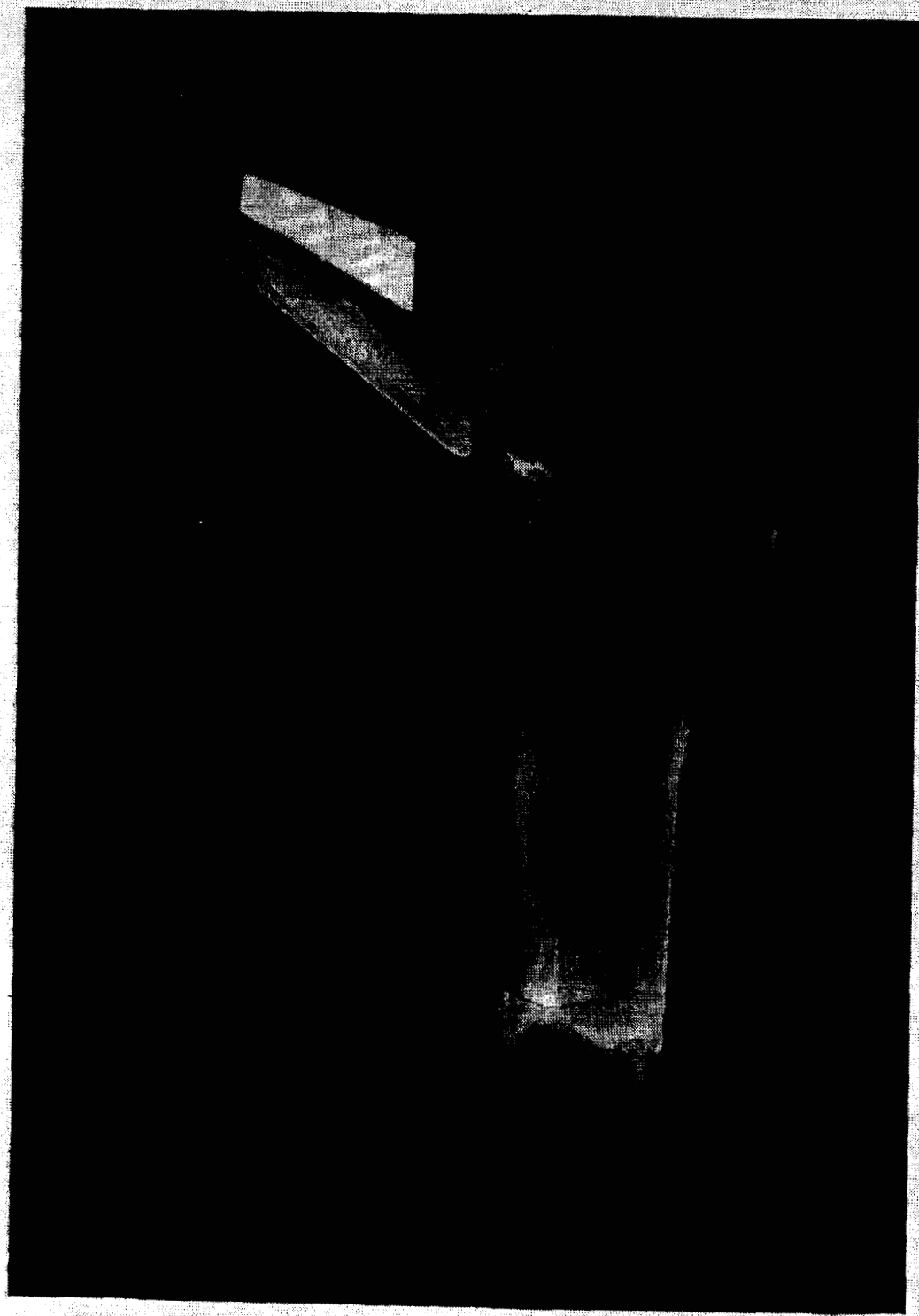
(b) Modified model with B₄ forebody (Configuration B₄WVS₀EF)

Figure 2. - Continued.



(c) Modified model with S_1 fillet (Configuration $B_{1WVS1EF}$)

Figure 2.- Continued.



(d) Modified model with B_2 forebody and S_2 fillet
(Configuration B_2WVS_2EF)

Figure 2.- Continued.



(e) Modified model with C₃ canard (Configuration
B₁WVS₀₃EF)

Figure 2.- Continued.



(f) Modified model with C_4 canard (Configuration
 $B_1 WVS_{04} EF$)

Figure 2.- Concluded.

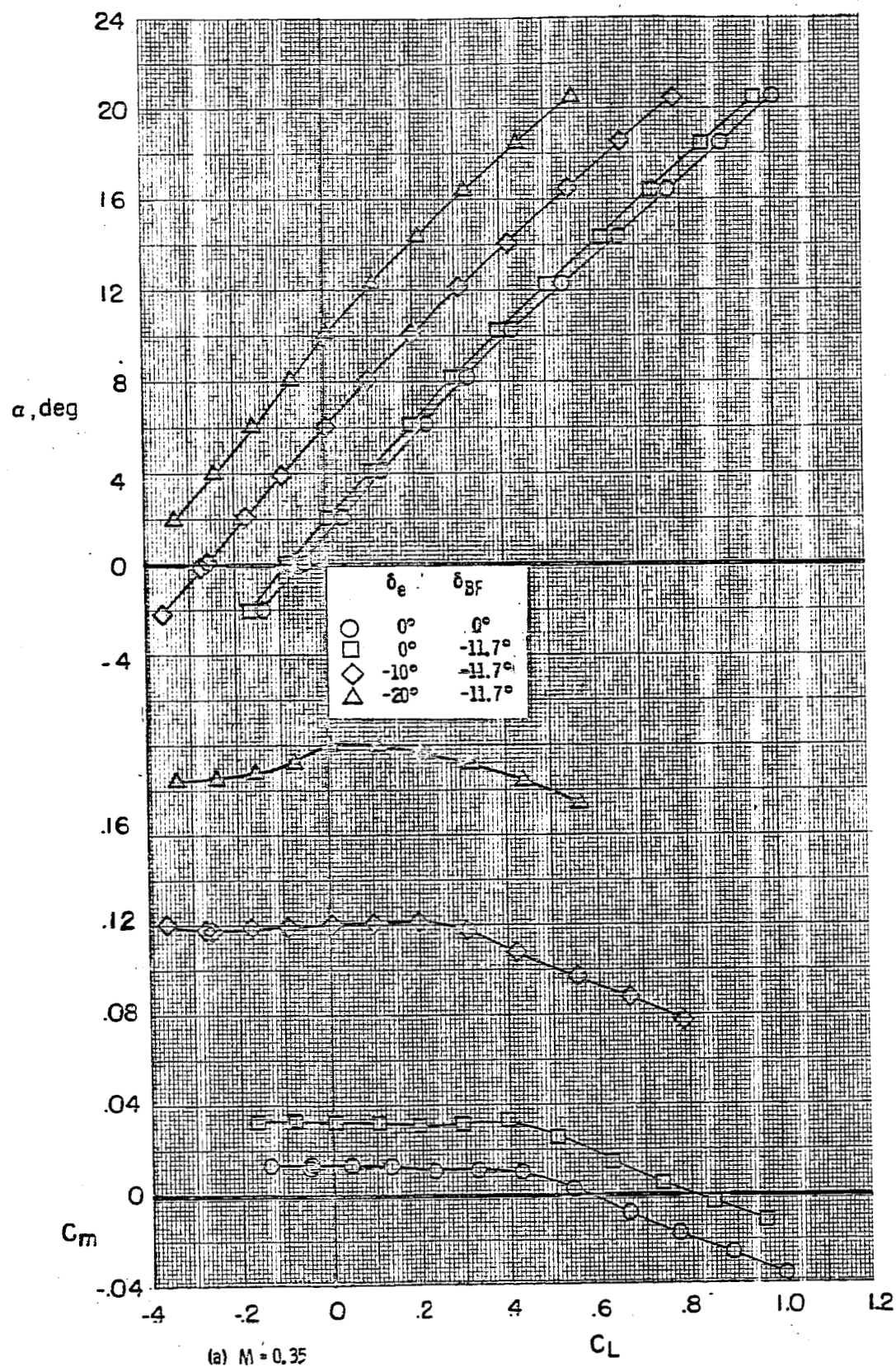
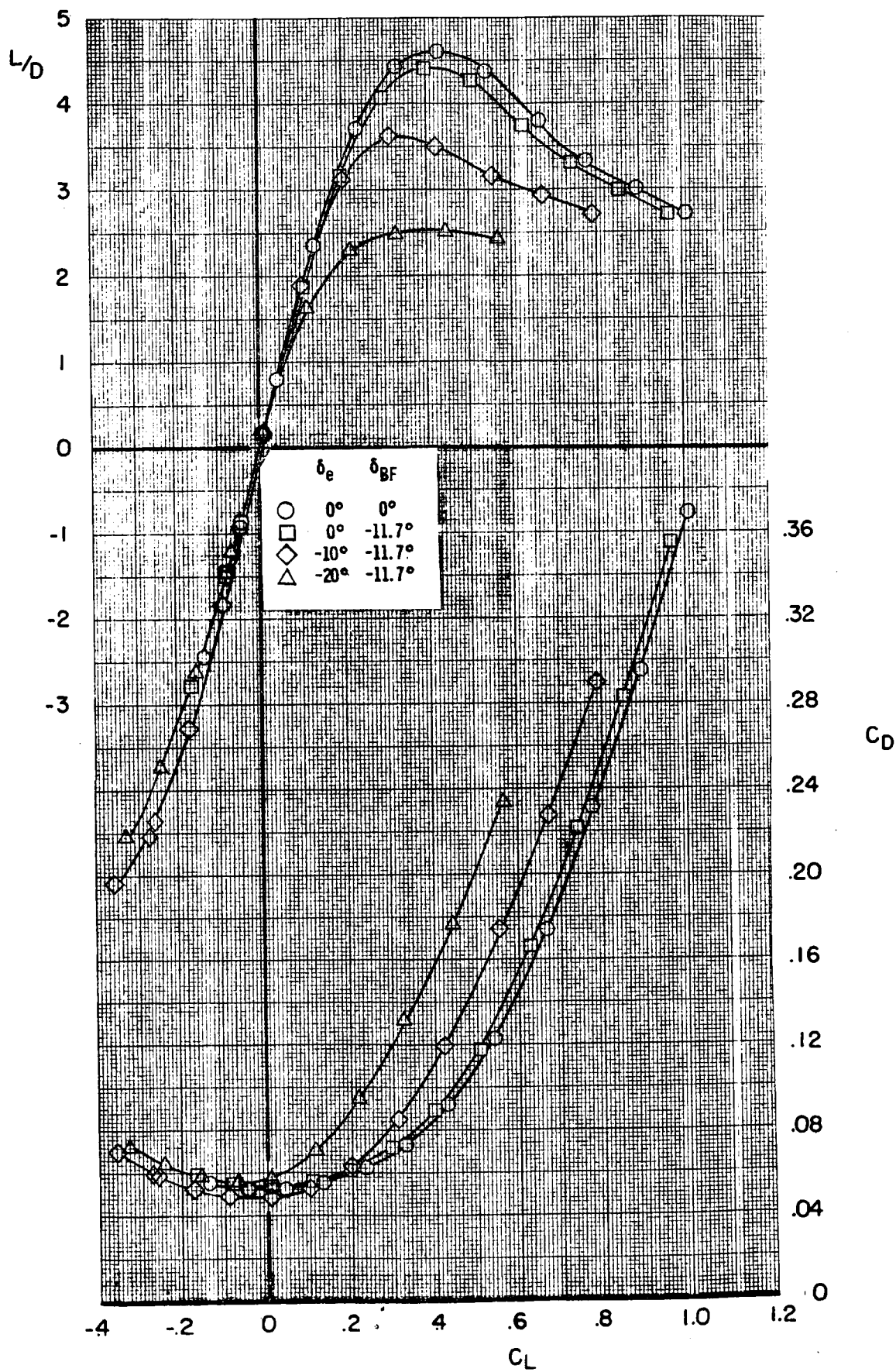
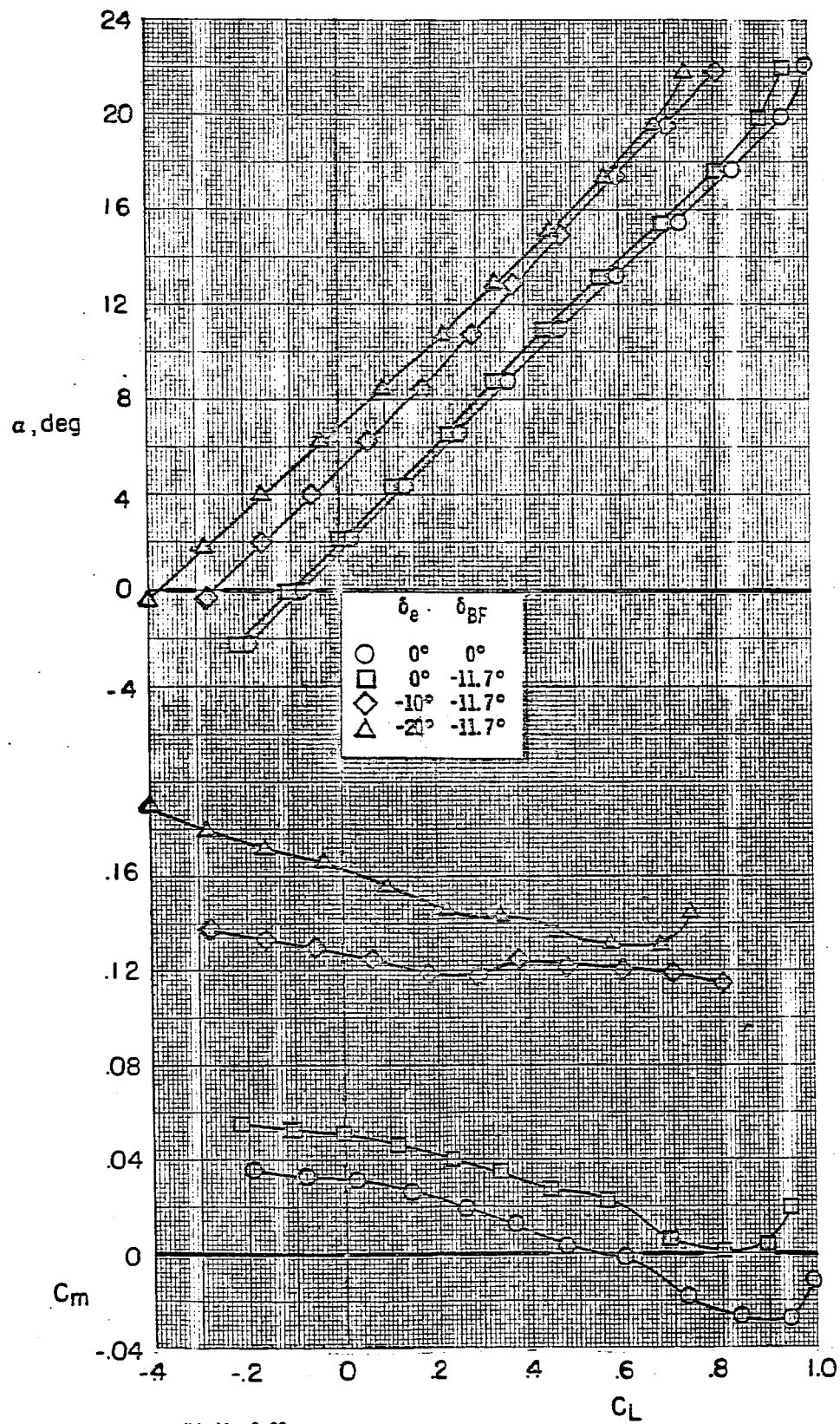


Figure 3. - Longitudinal aerodynamic characteristics for the baseline configuration, B₁WVS₀EF.
 $\delta_{SB} = 0^\circ$



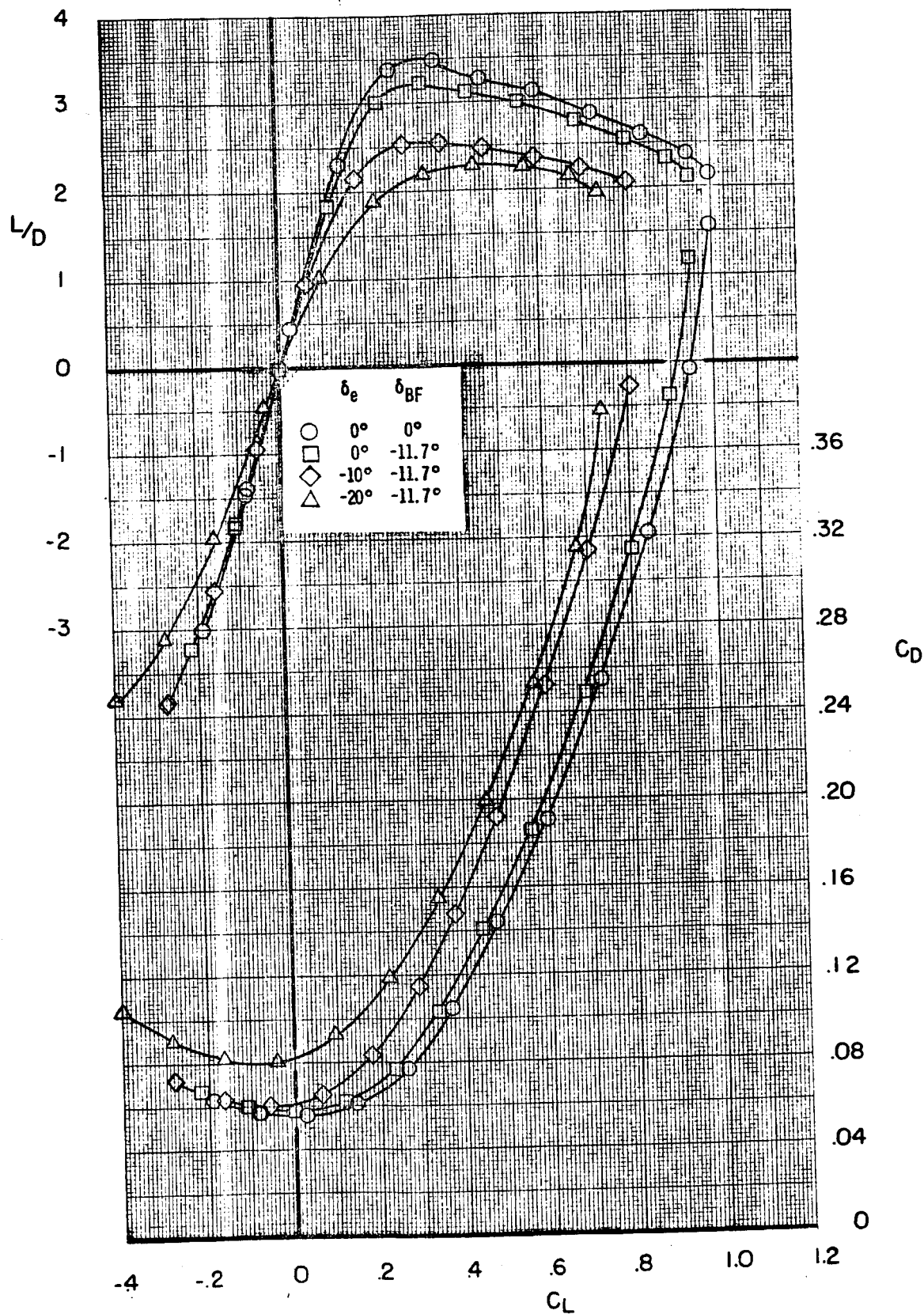
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Figure 3. - Continued.

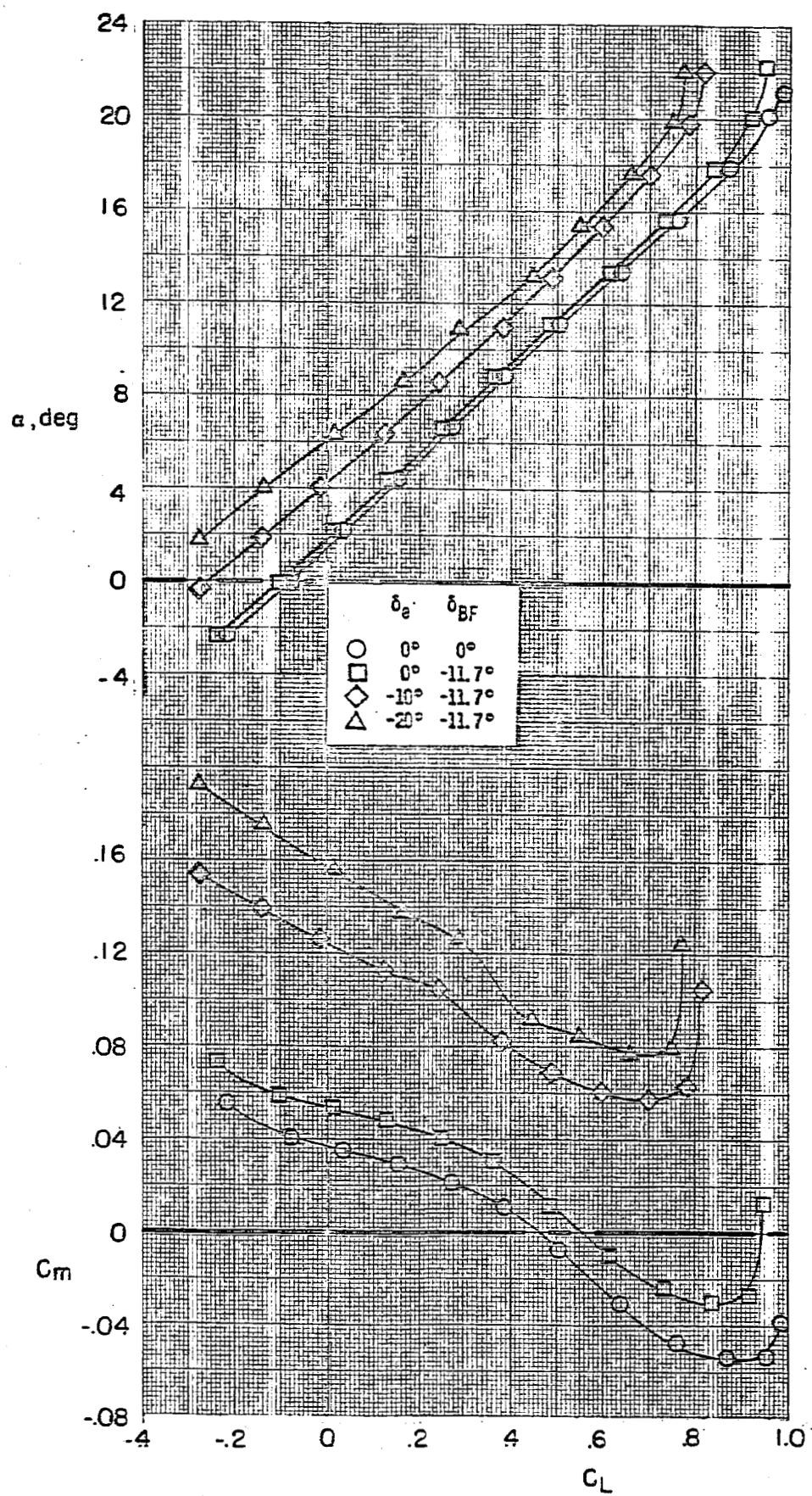


(b) $M = 0.80$

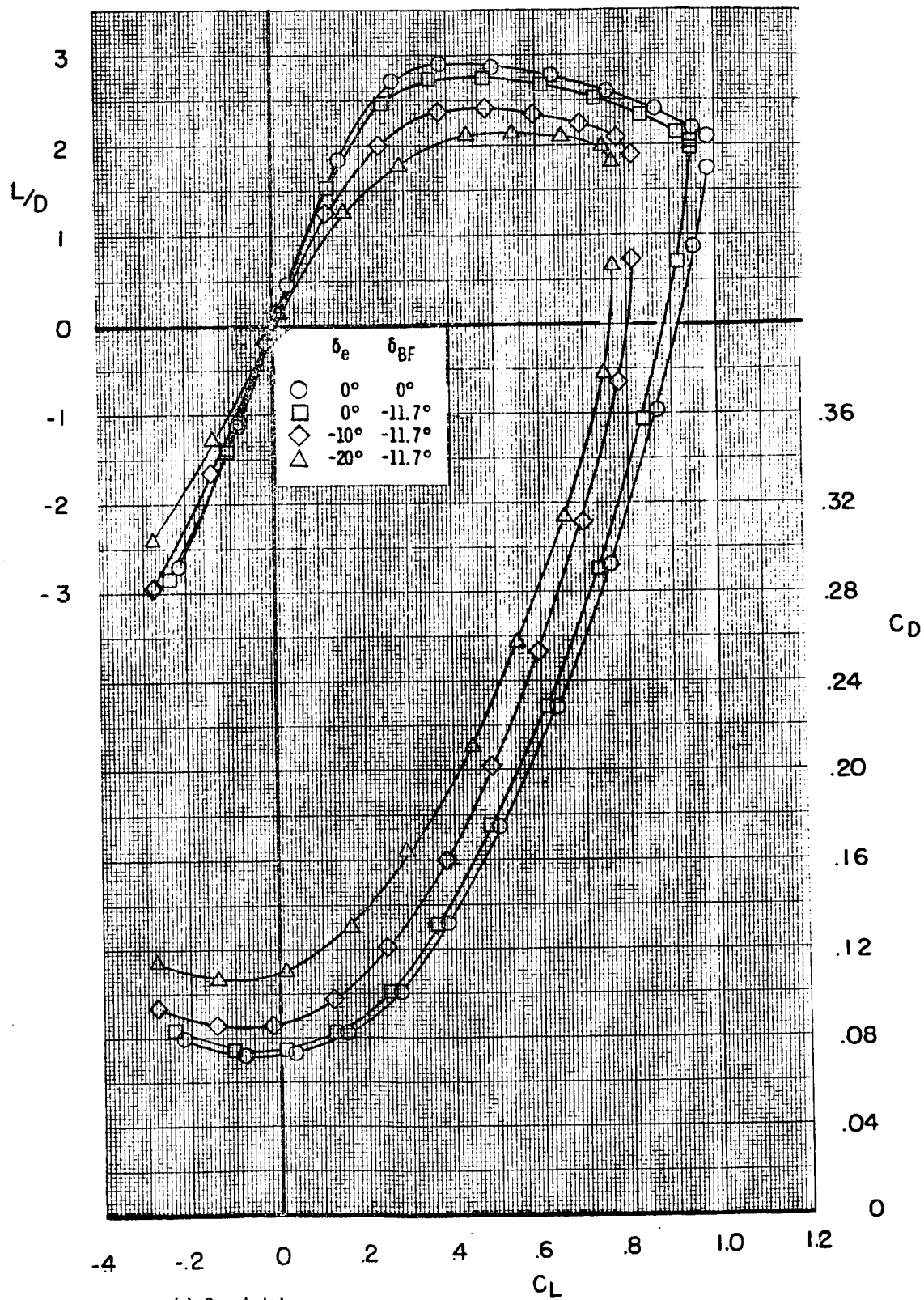
Figure 3. - Continued.



(b) Concluded
Figure 3.- Continued.

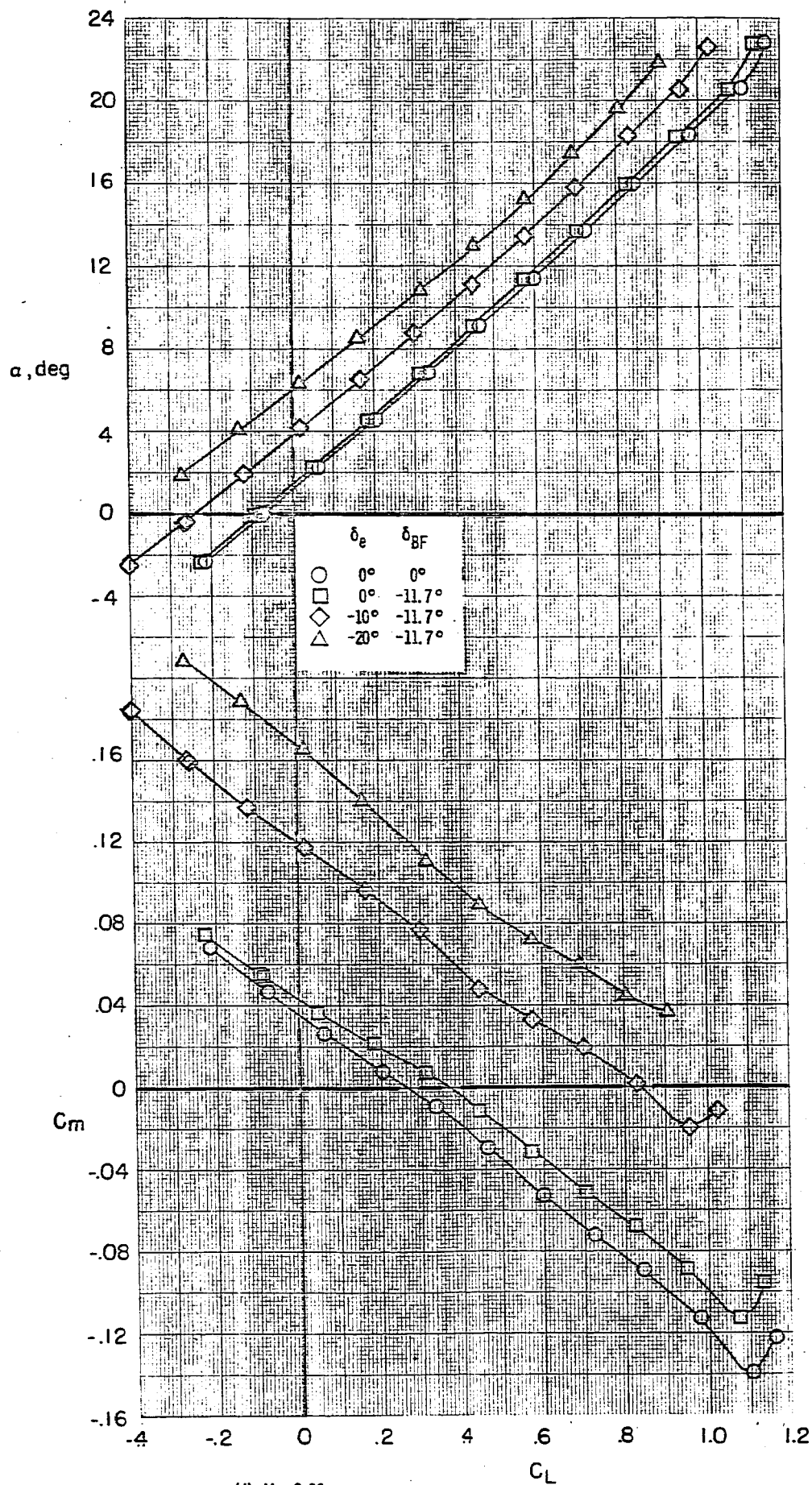


(c) $M = 0.90$
Figure 3.- Continued.

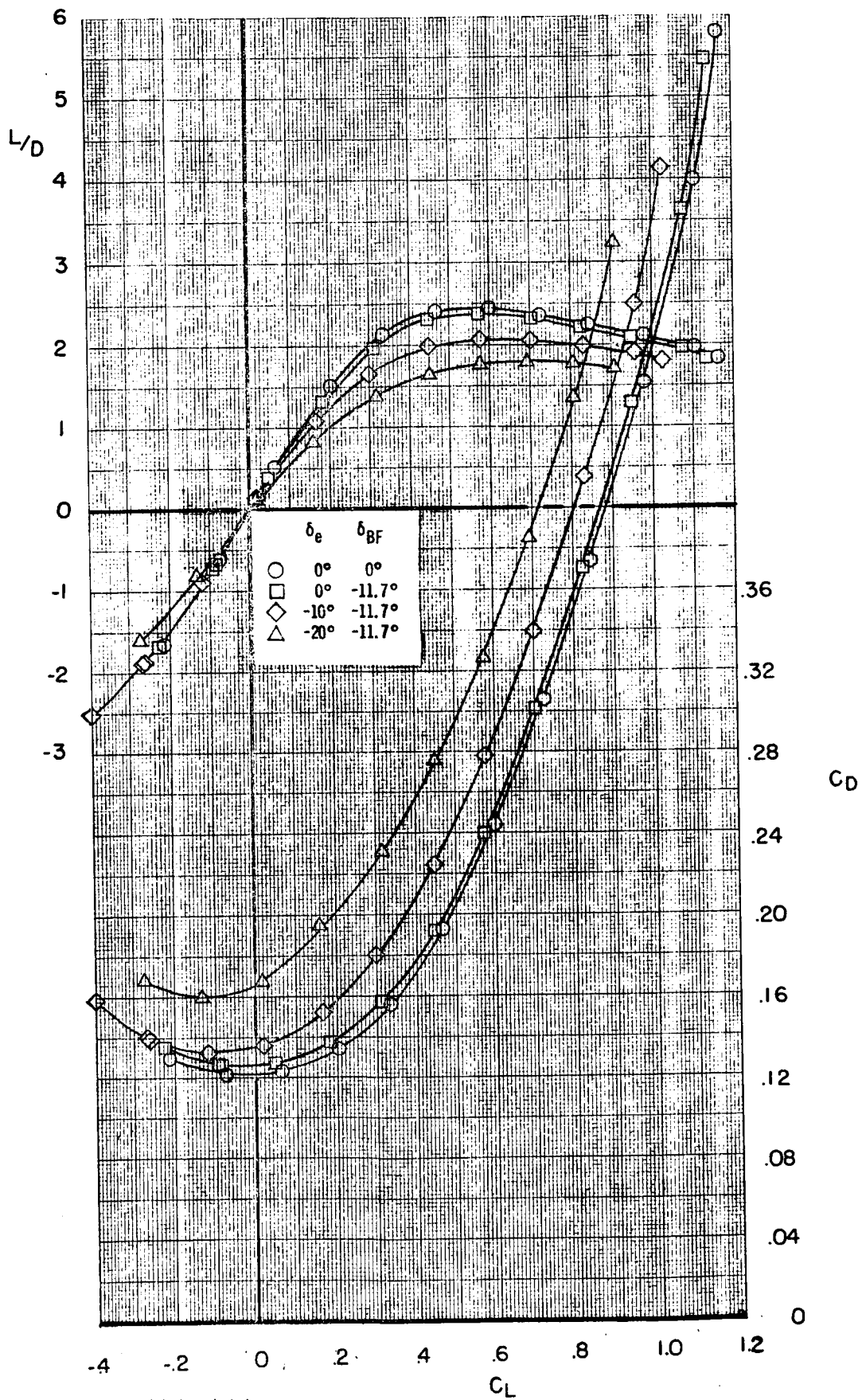


(c) Concluded.

Figure 3. - Continued.

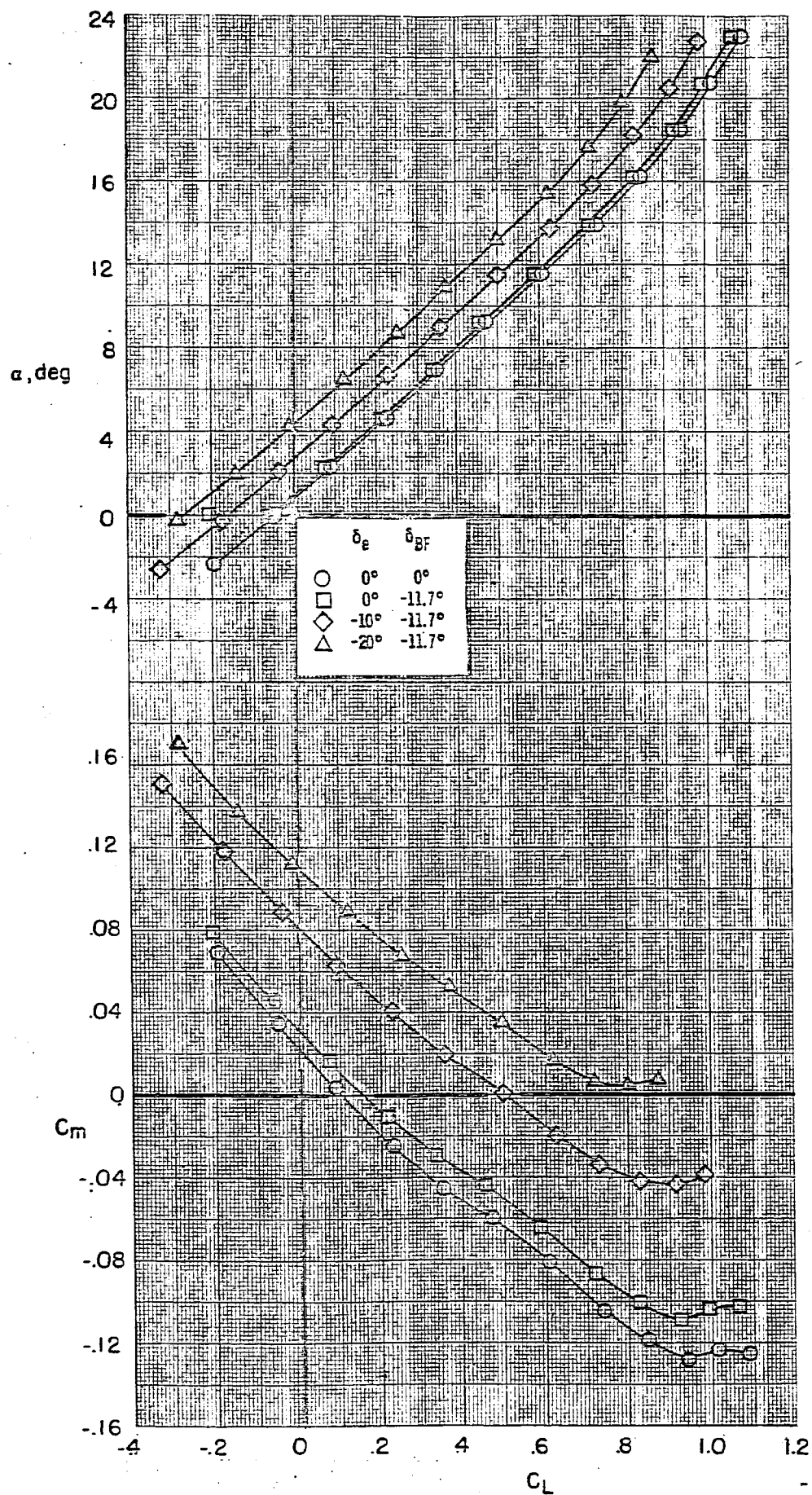


(d) $M = 0.98$
Figure 3. - Continued.



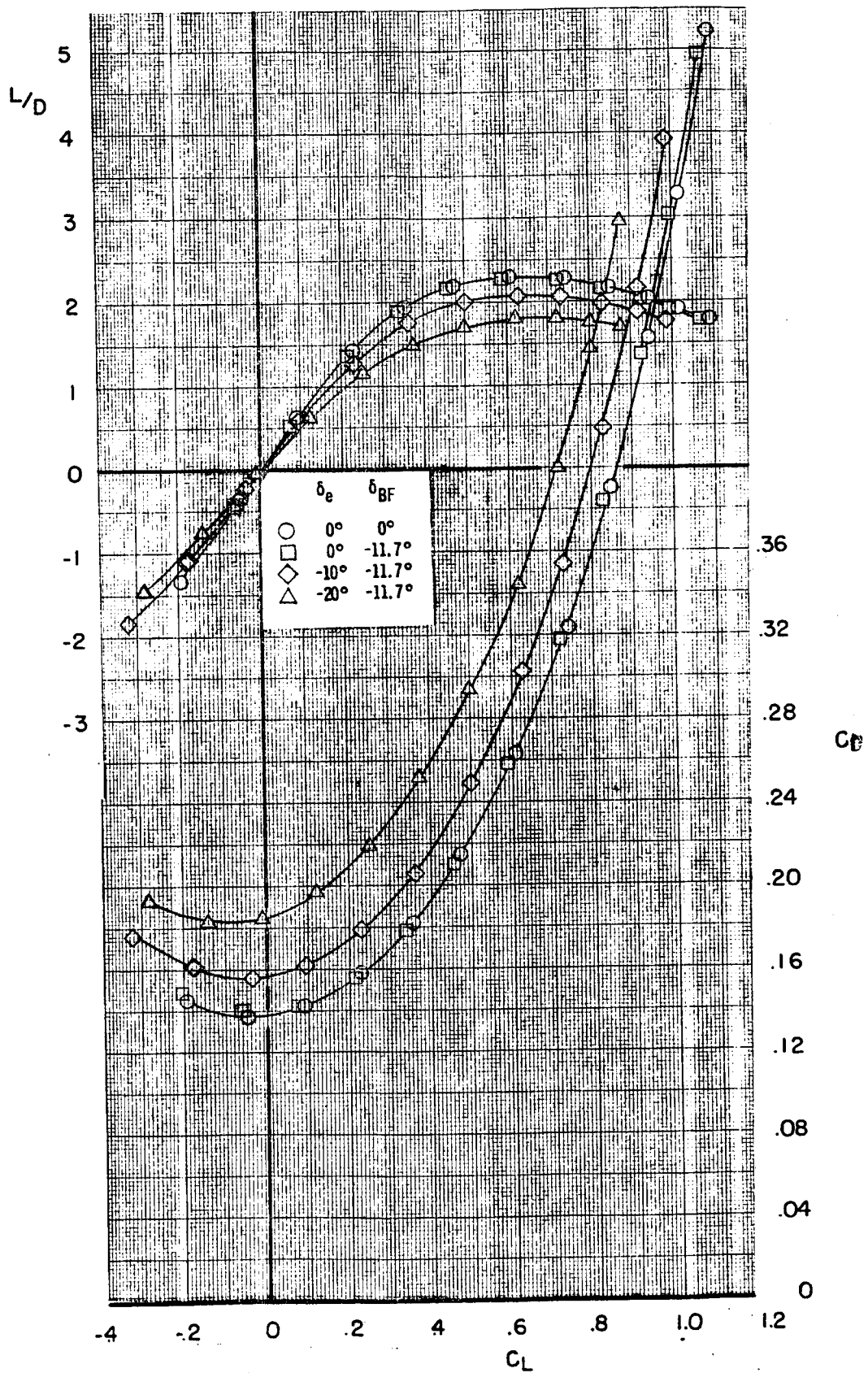
(d) Concluded

Figure 3, - Continued.



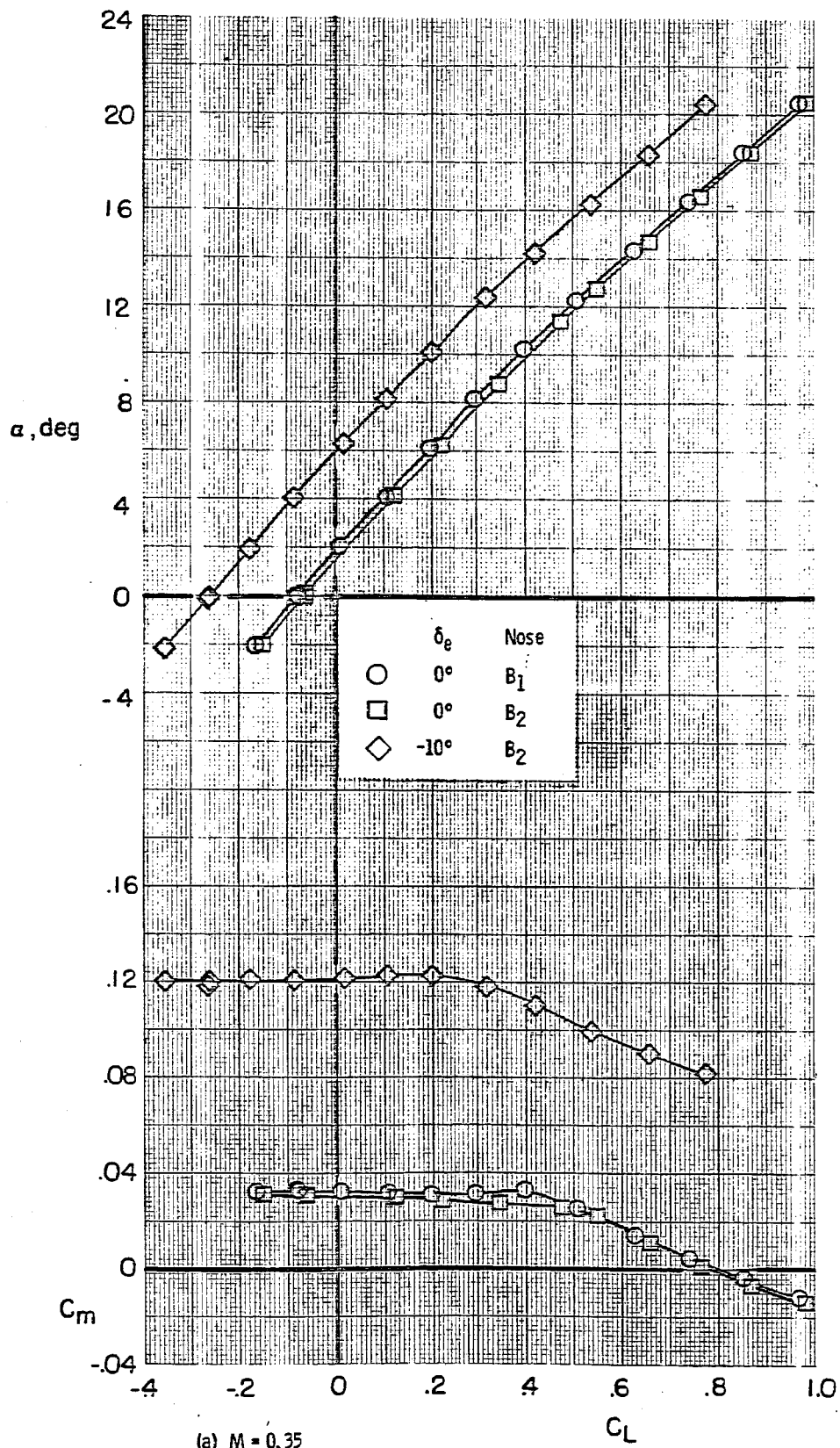
(e) $M = 1.20$

Figure 3. - Continued.



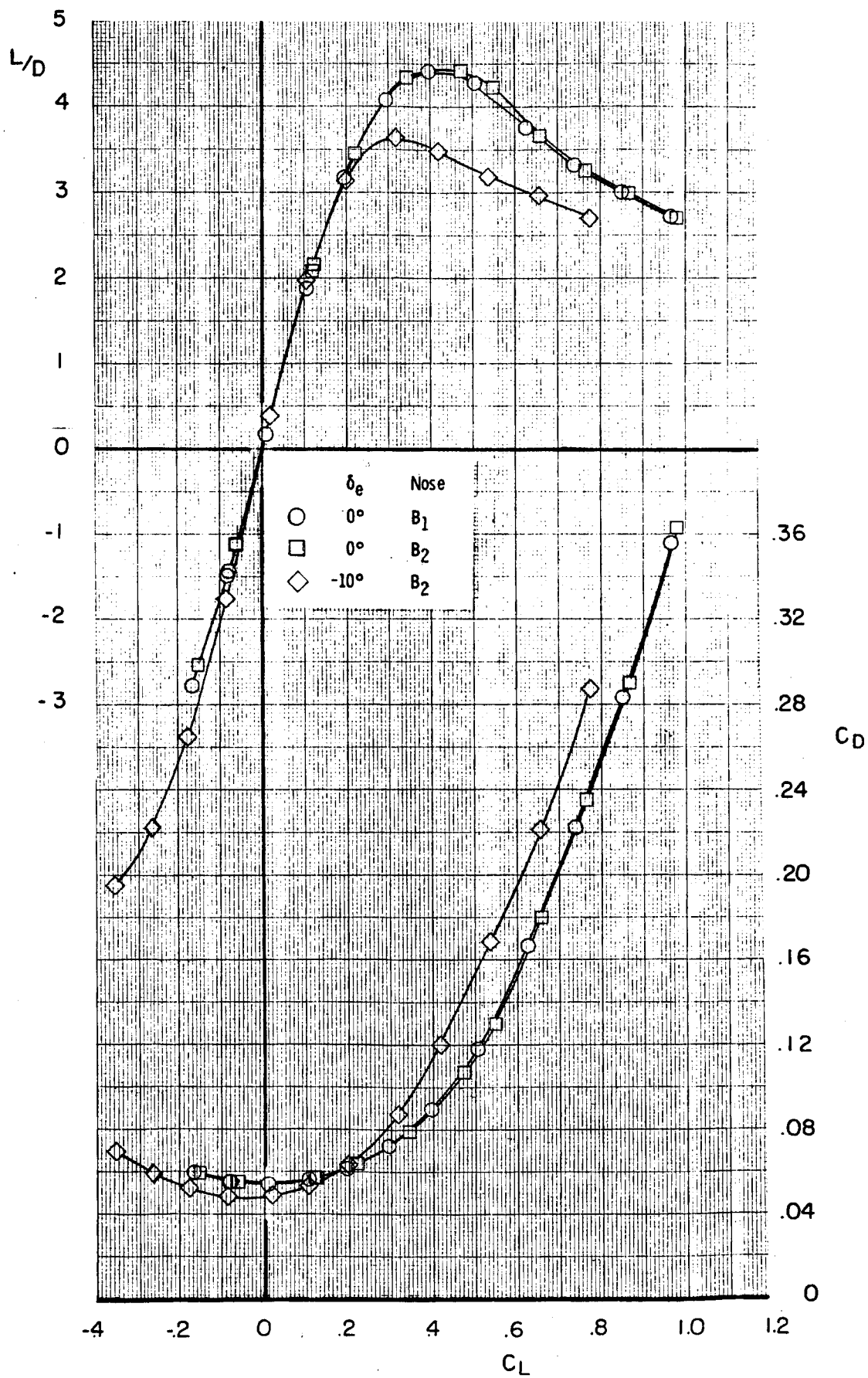
(e) Concluded

Figure 3.- Concluded.

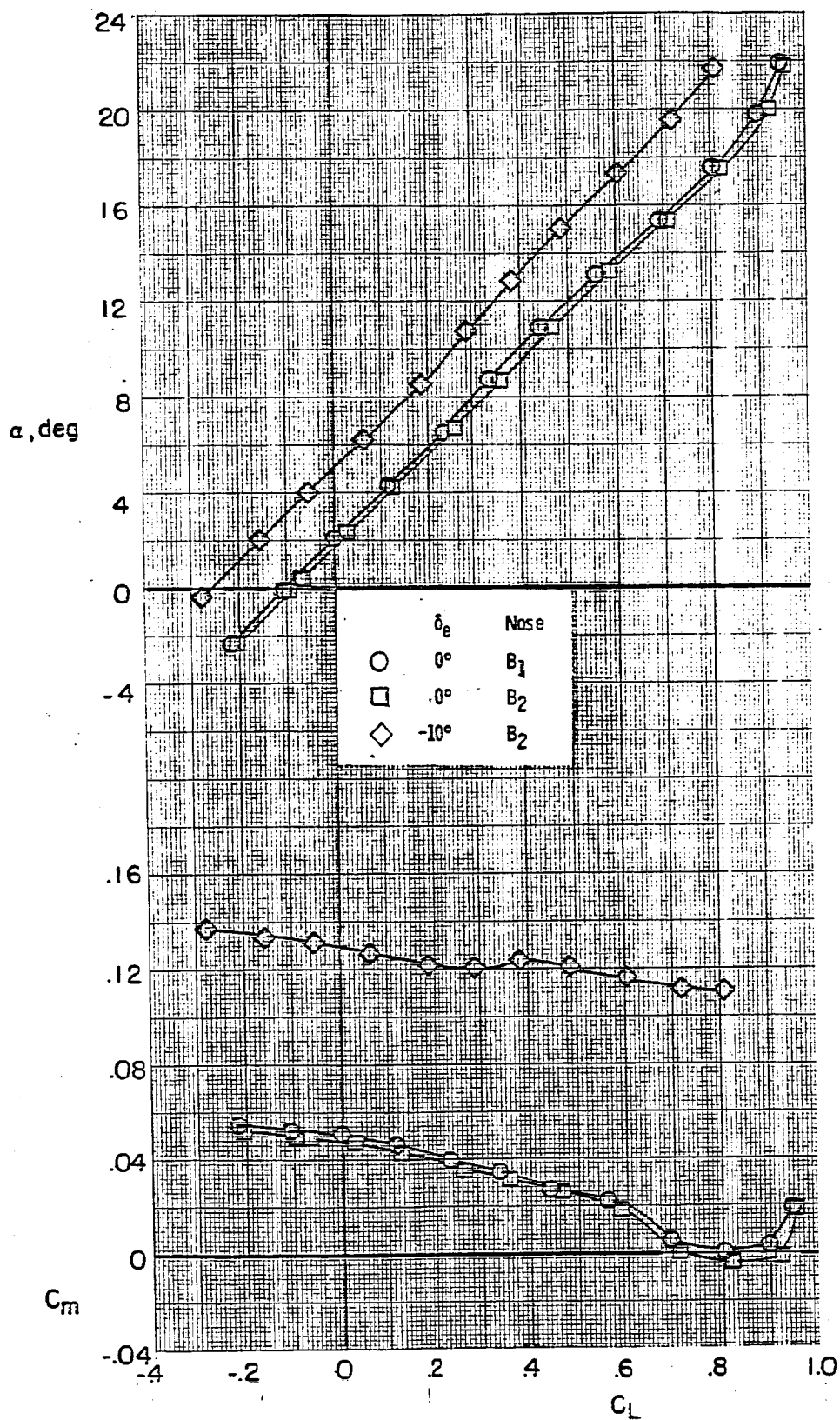


(a) $M = 0.35$

Figure 4. - Effect of fuselage forebody B_2 on the longitudinal aerodynamic characteristics of configuration $B_1 WVS_0 EF$. $\delta_{BF} = -11.7^\circ$; $\delta_{SB} = 0^\circ$.



(a) Concluded
Figure 4. - Continued.

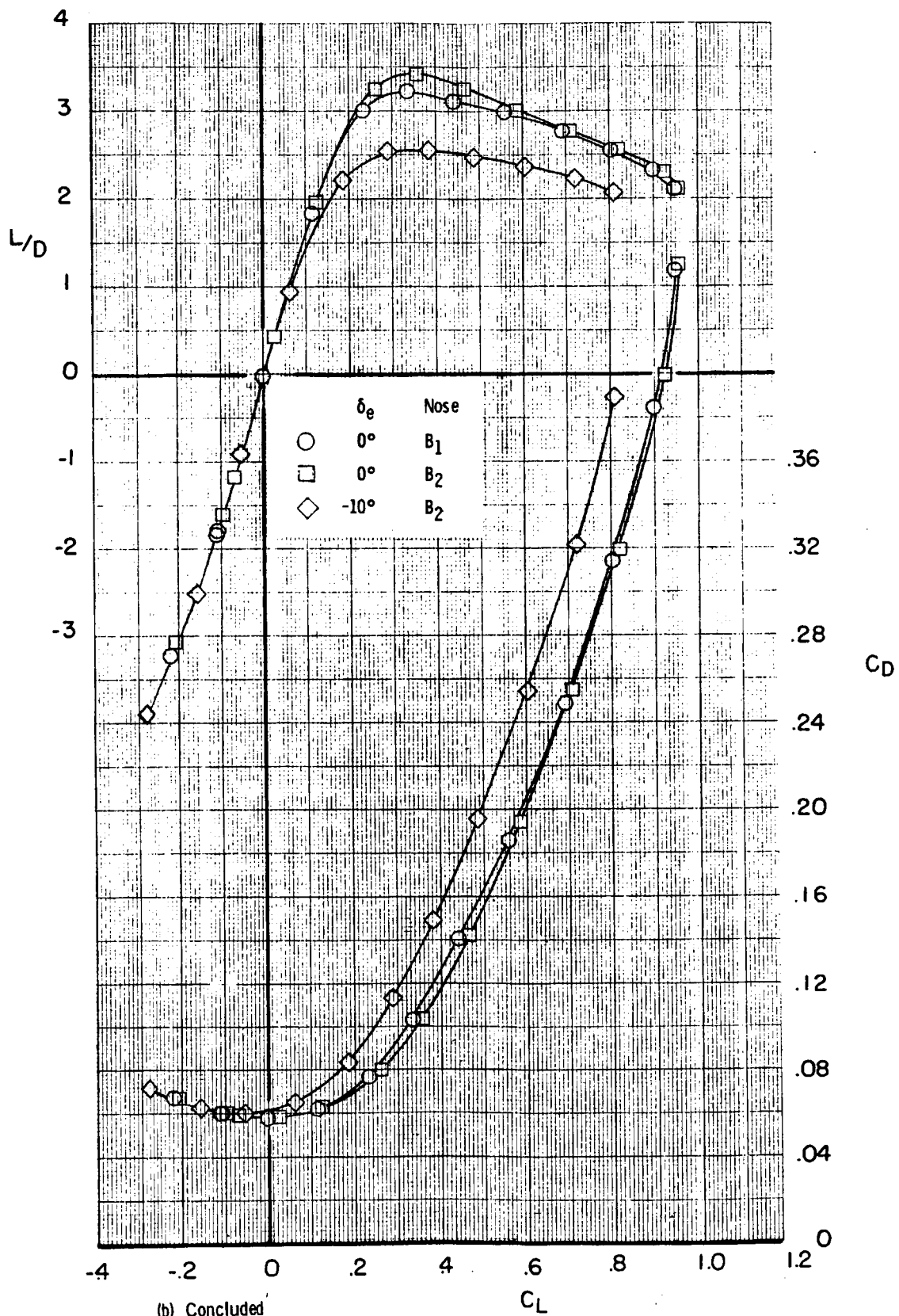


(b) $M = 0.80$

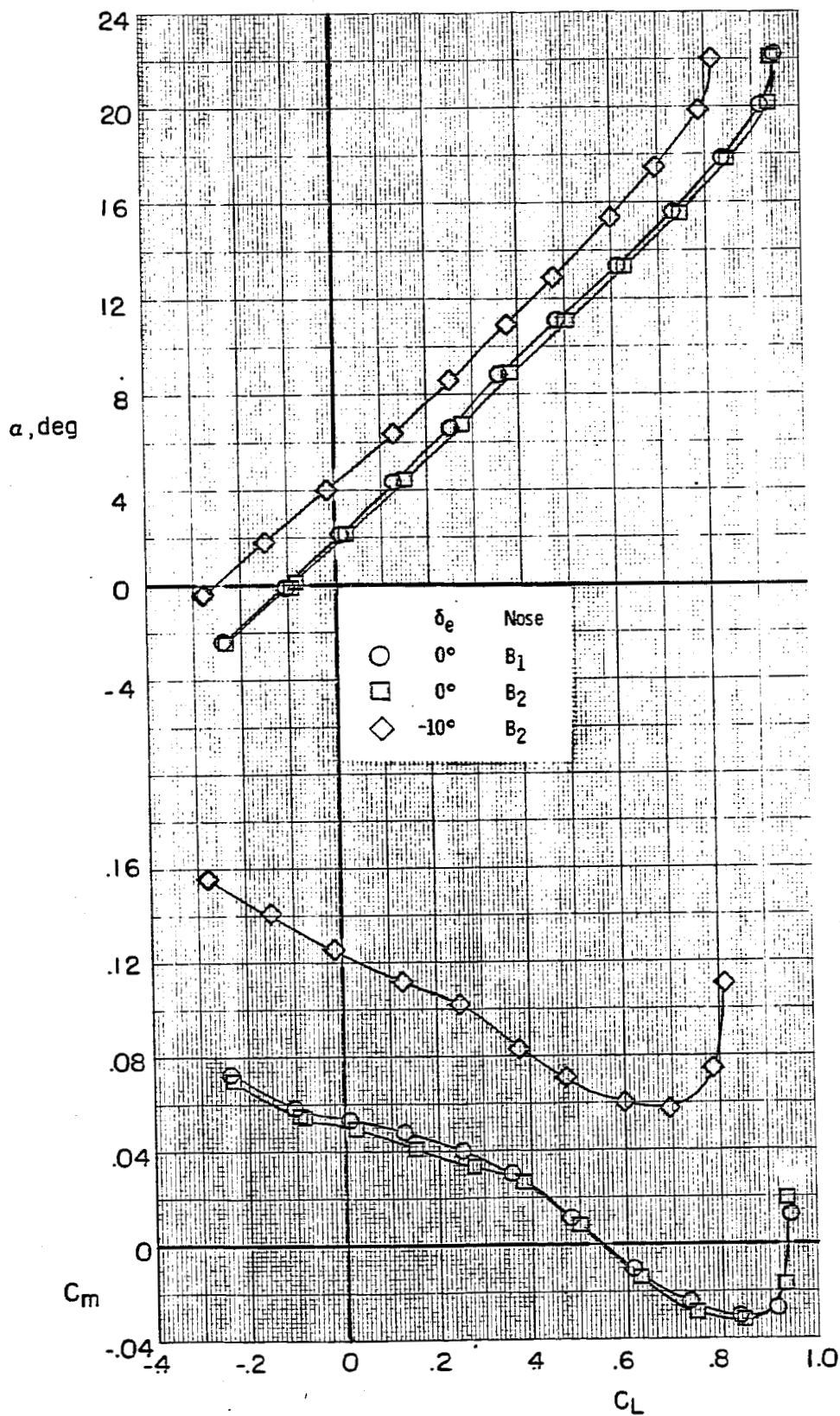
Figure 4. - Continued.

40

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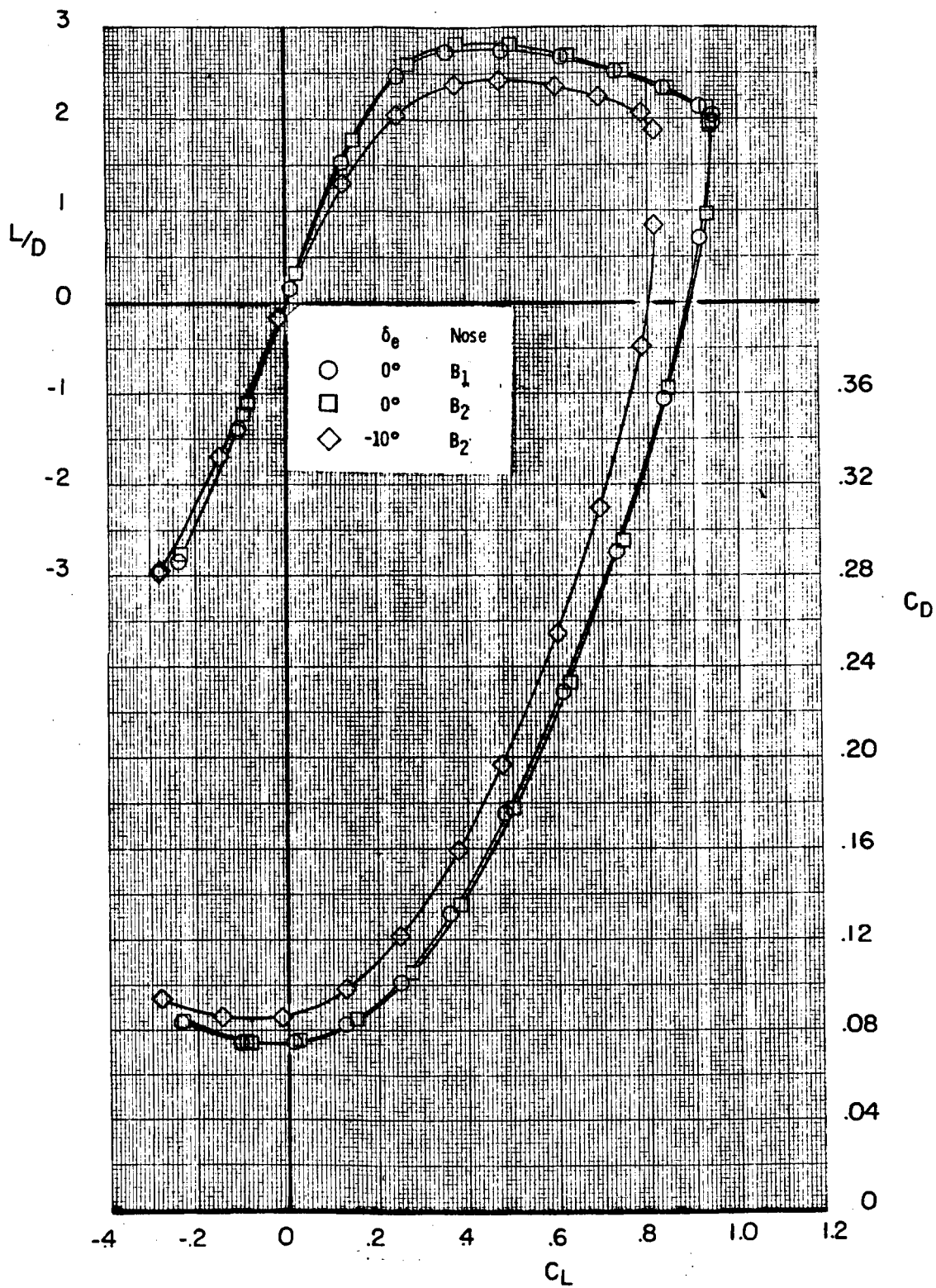


(b) Concluded
Figure 4. - Continued.



(c) $M = 0.90$

Figure 4. - Continued.



(c) Concluded
Figure 4. - Continued.

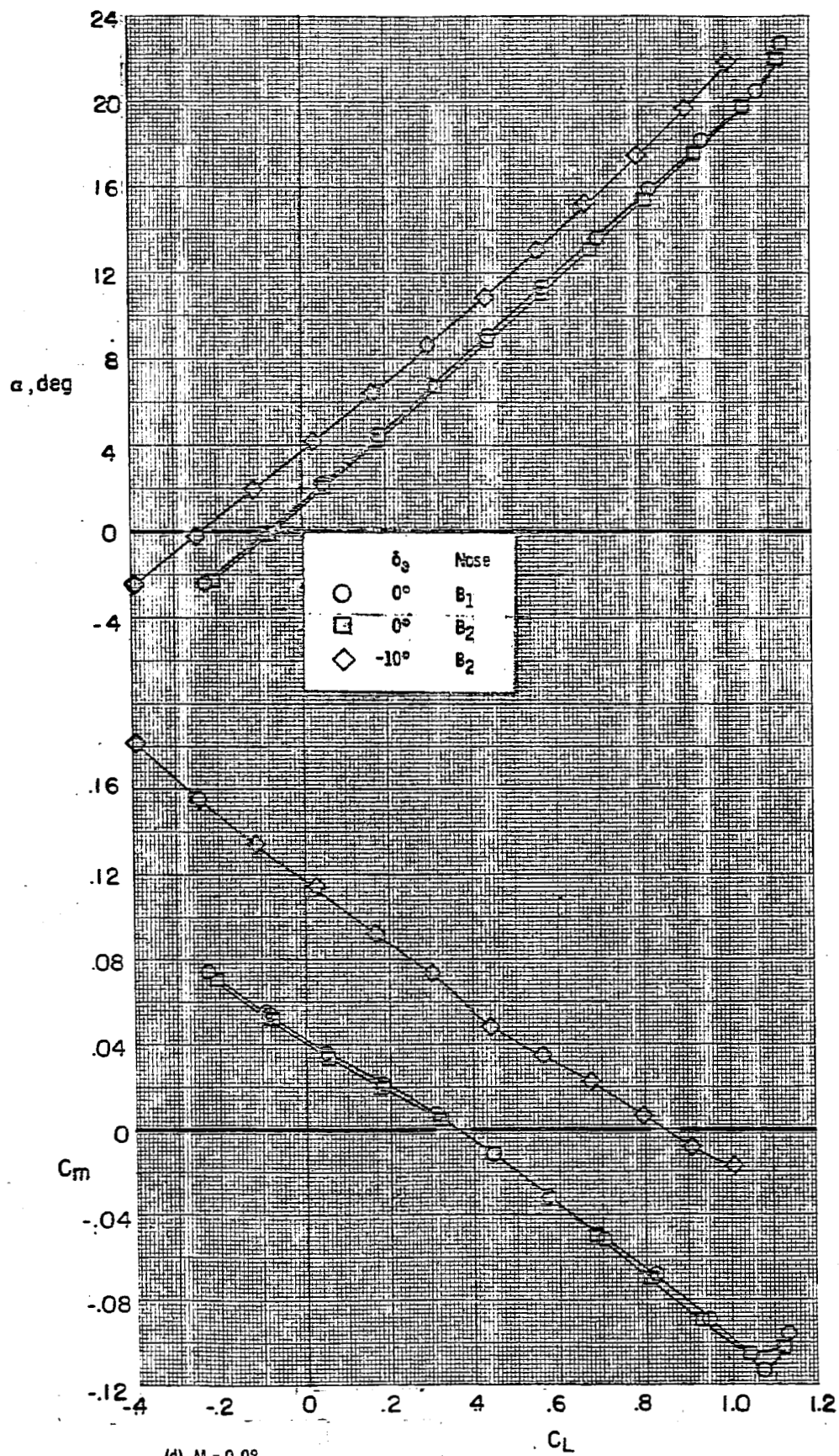
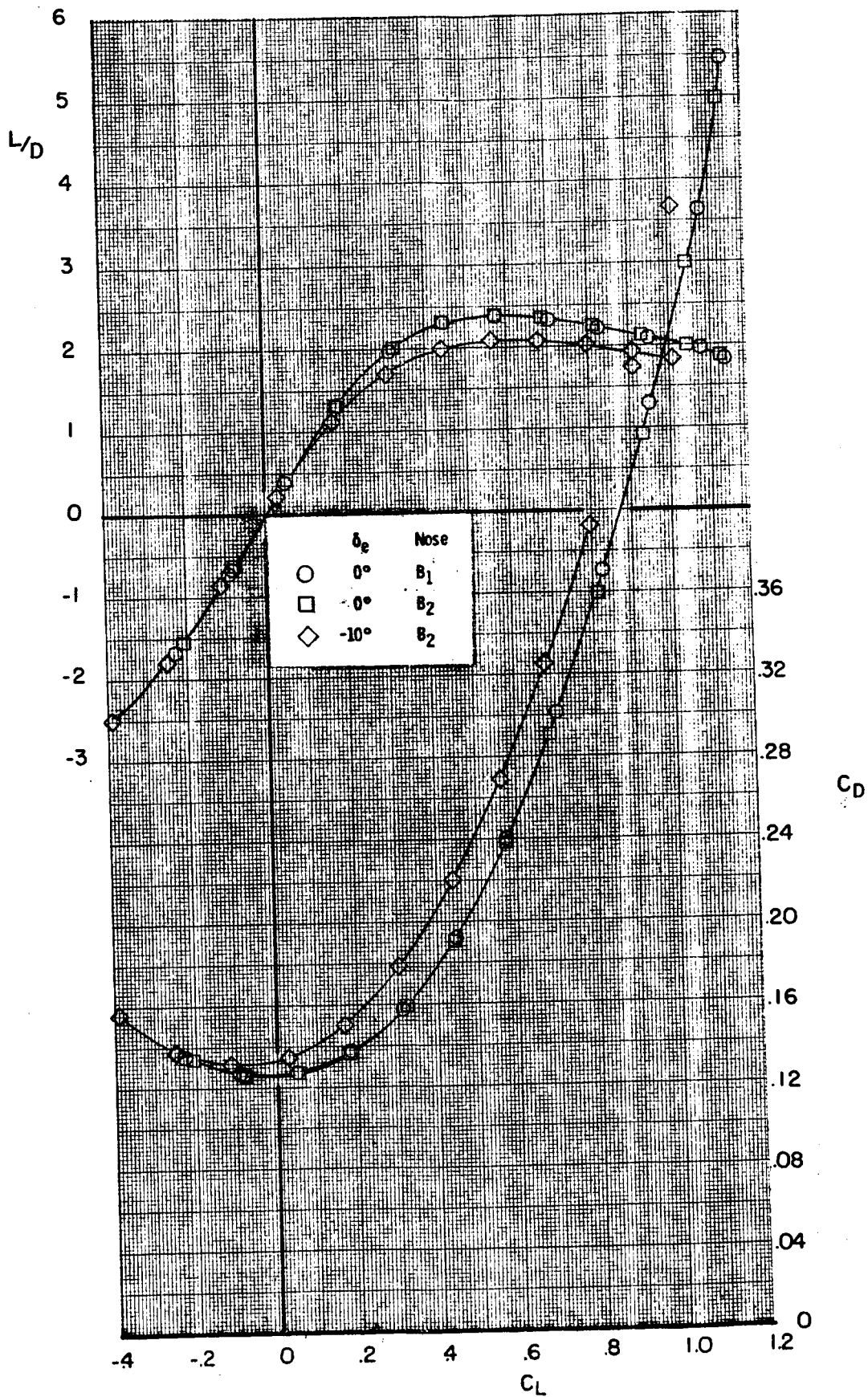


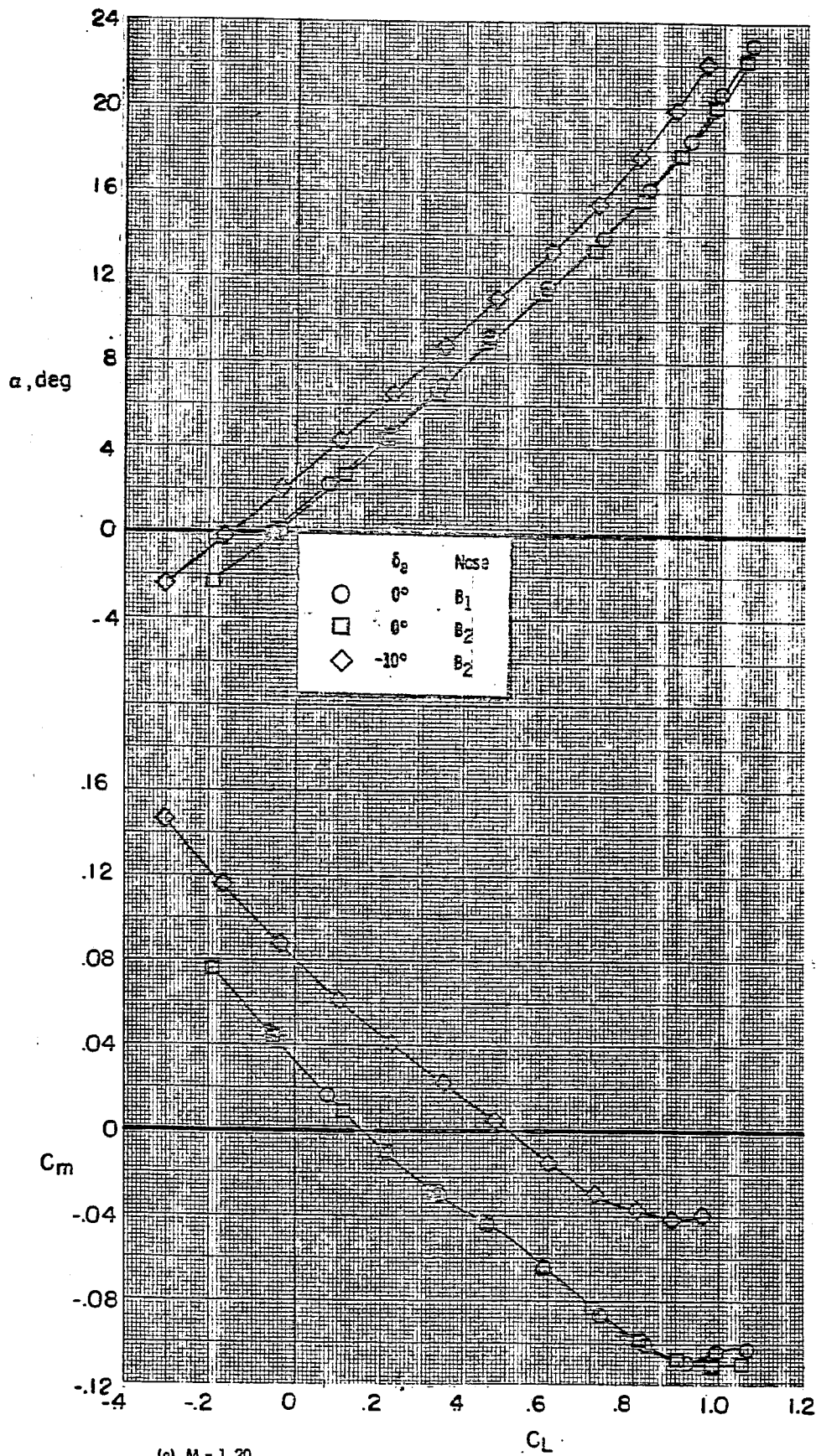
Figure 4. - Continued.



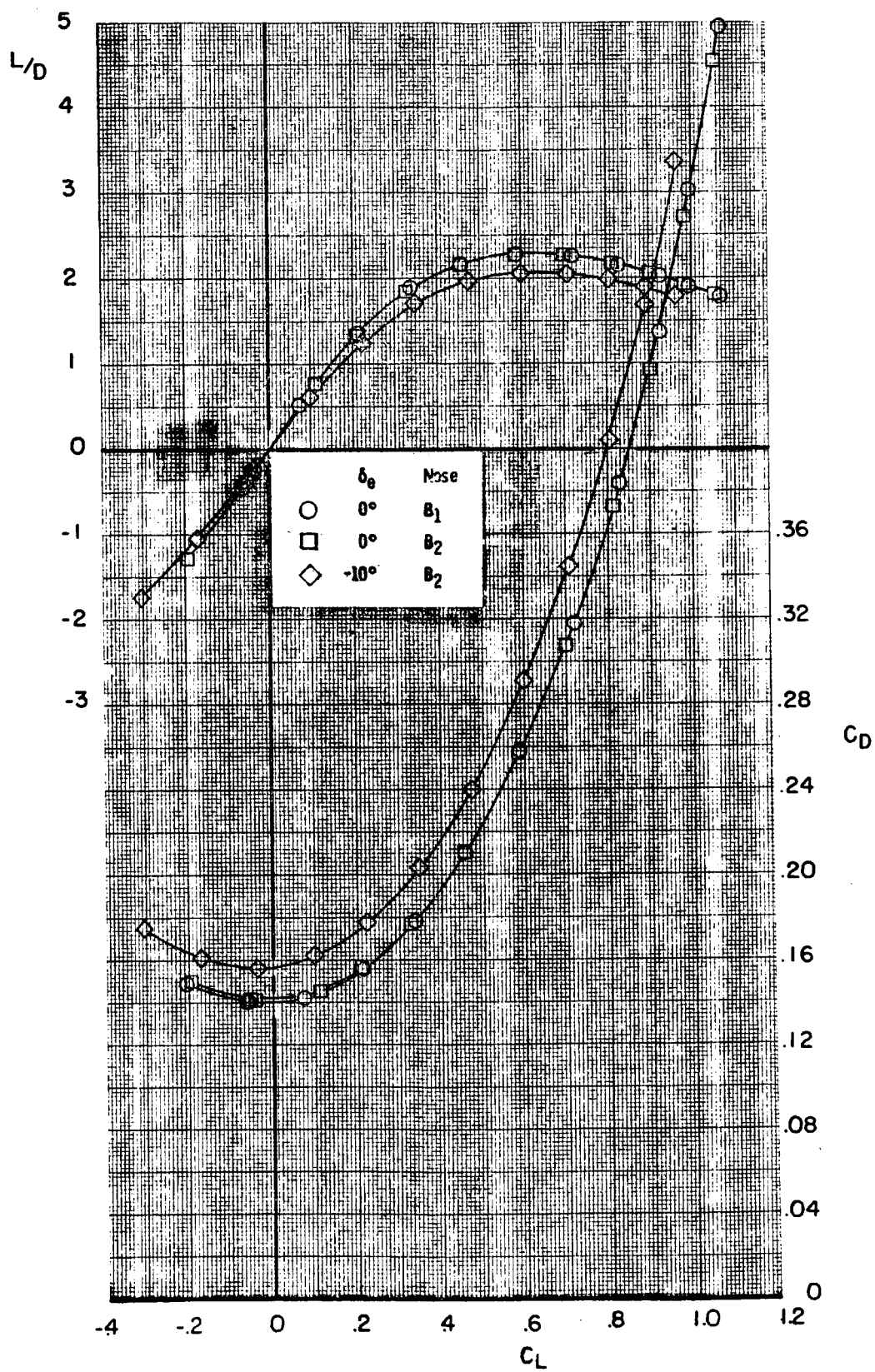
(d) Concluded
Figure 4. - Continued.

45

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(e) $M = 1.20$
Figure 4.- Continued.



(e) Concluded
Figure 4. - Concluded.

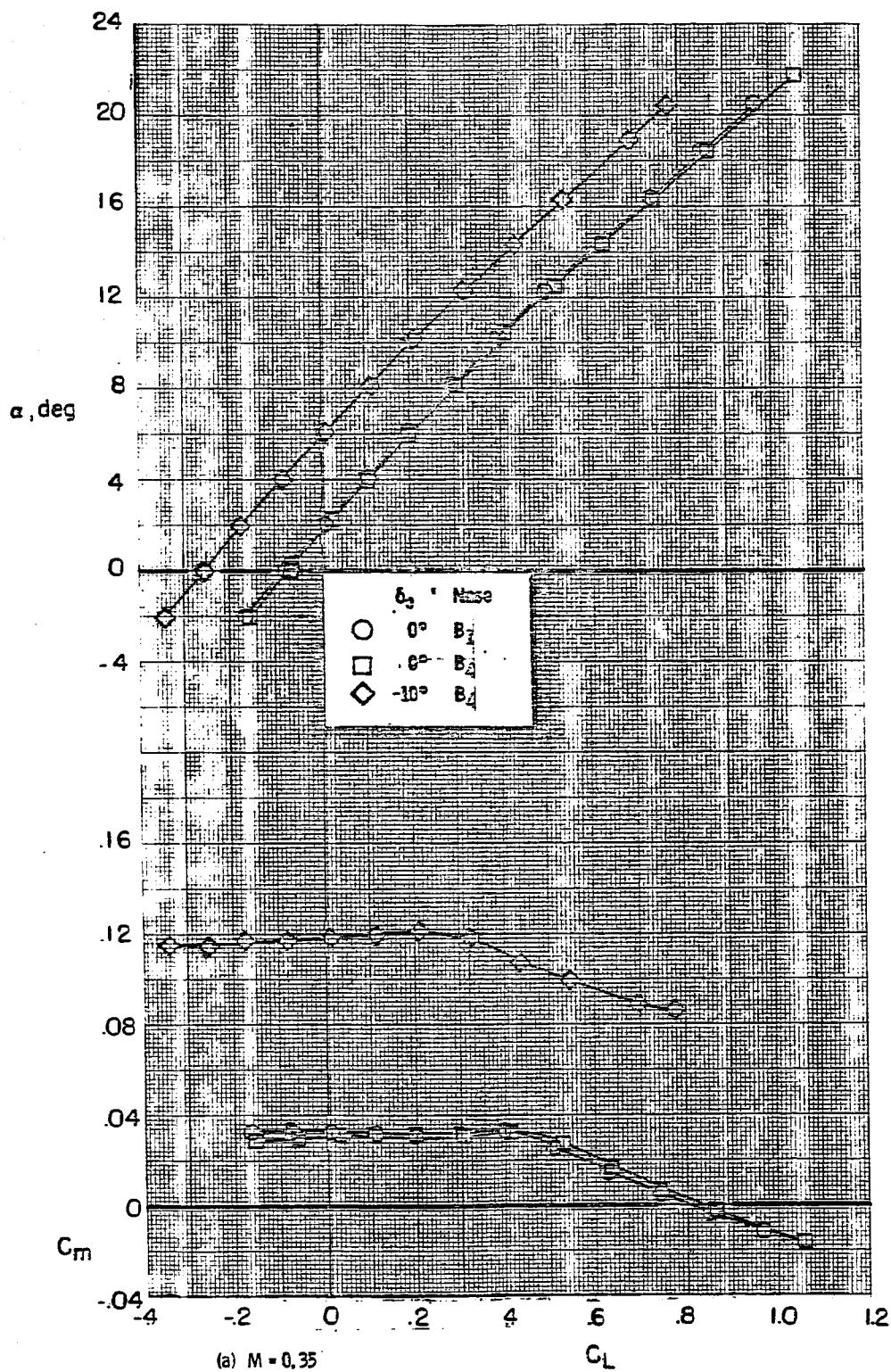
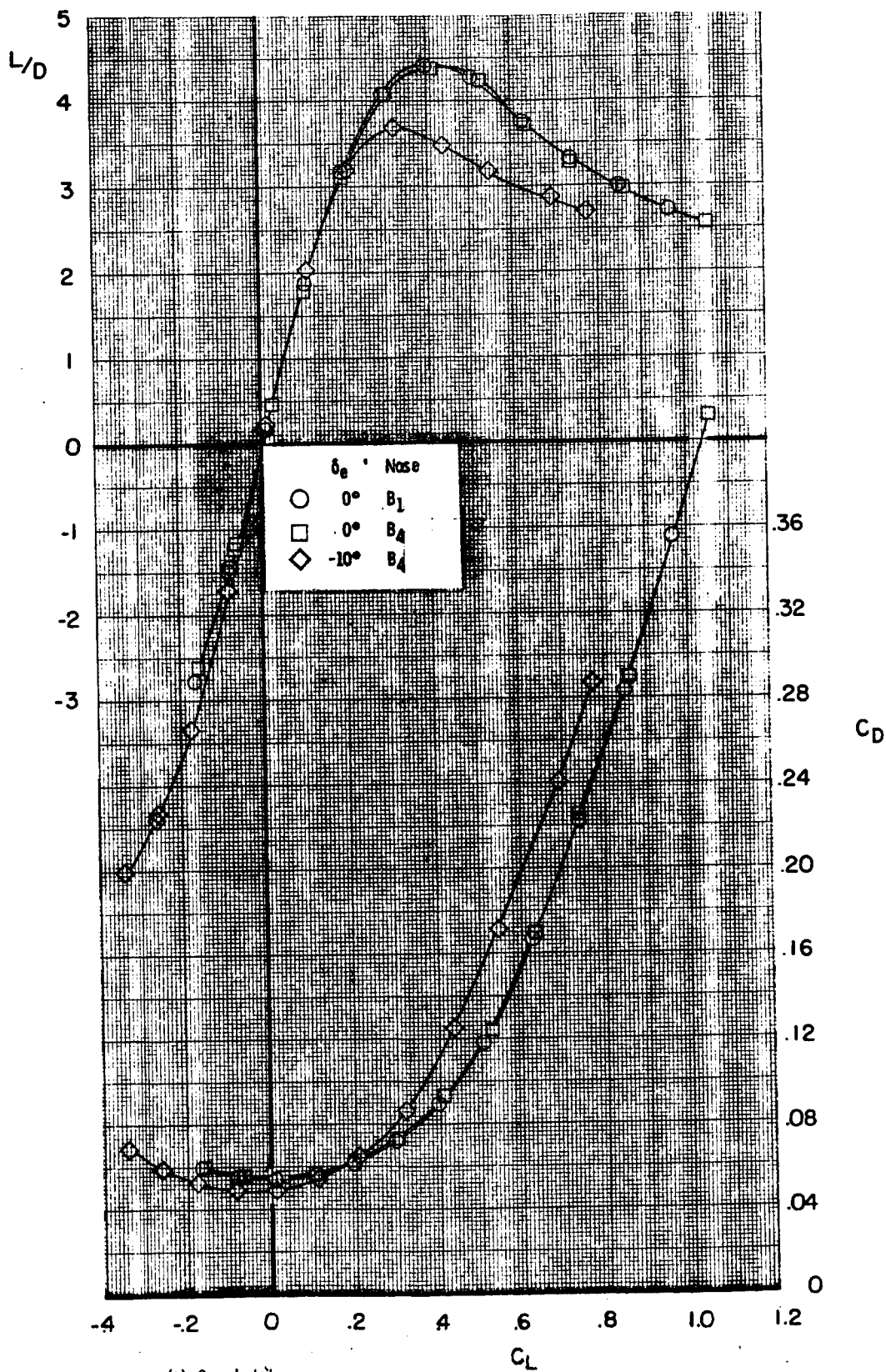


Figure 5. - Effect of fuselage forebody B_3 on the longitudinal aerodynamic characteristics for configuration B_1WVS_0EF ; $\delta_{BF} = -11.7^\circ$; $\delta_{SB} = 6^\circ$.



(a) Concluded.

Figure 5.- Continued.

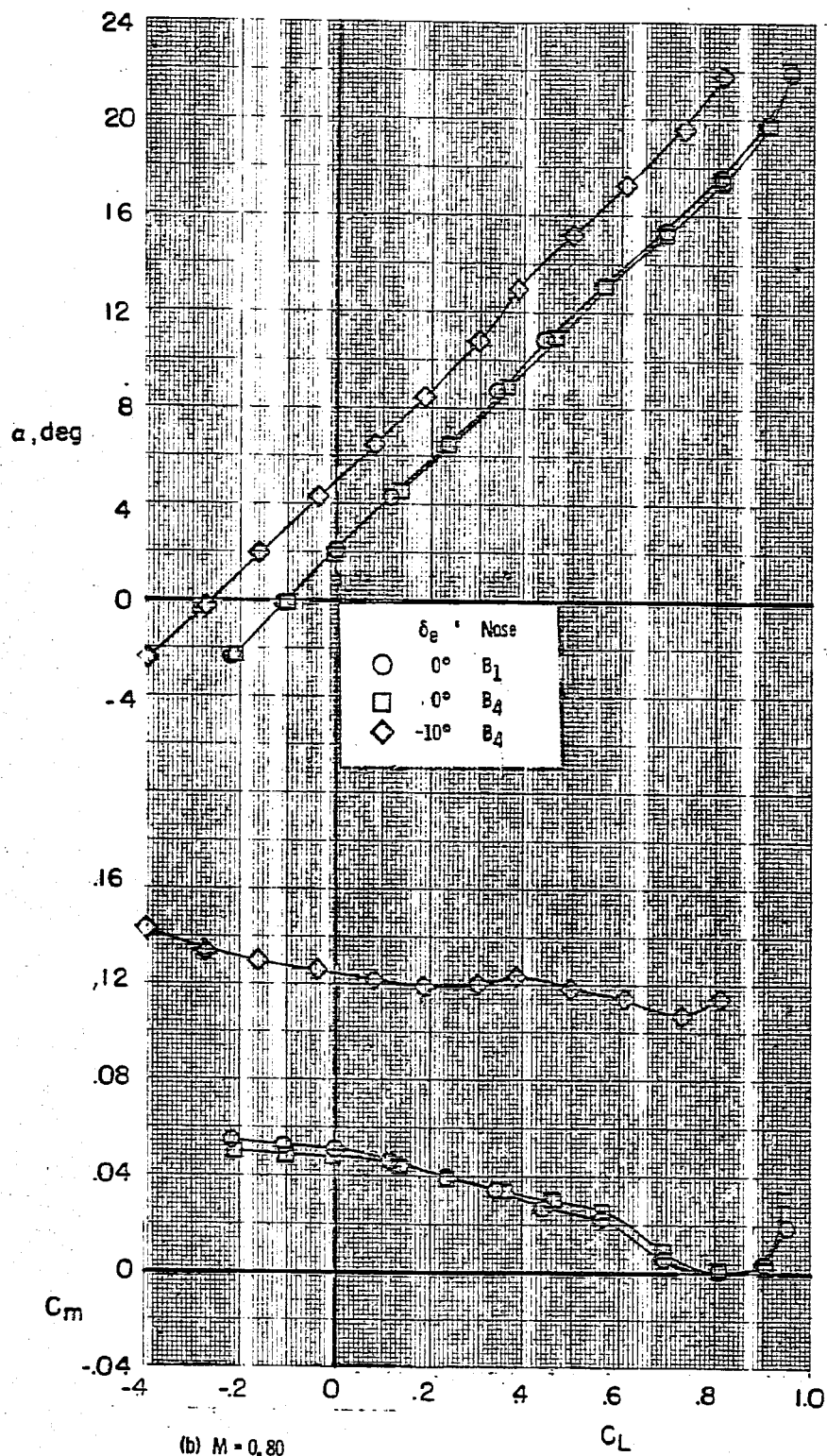
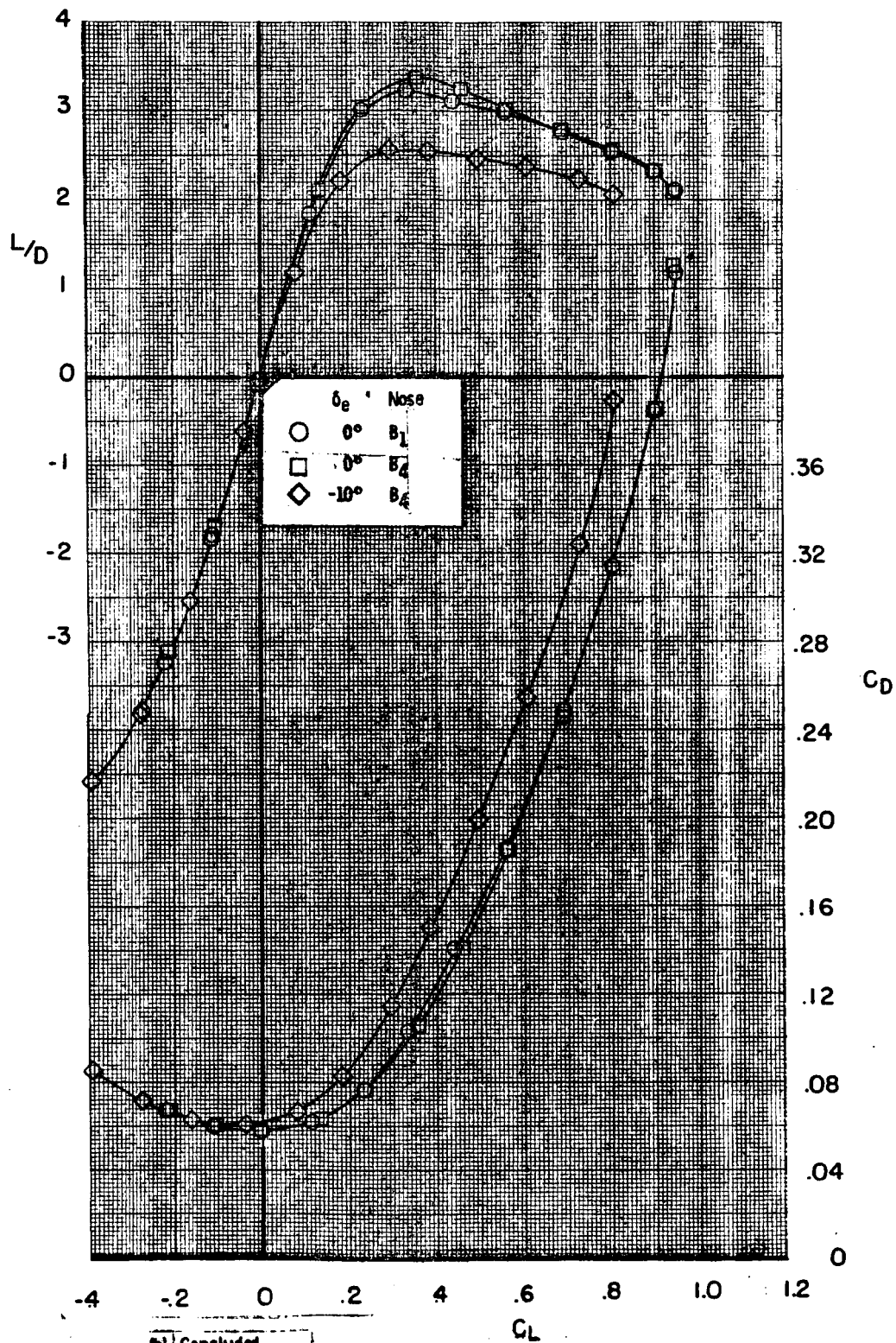
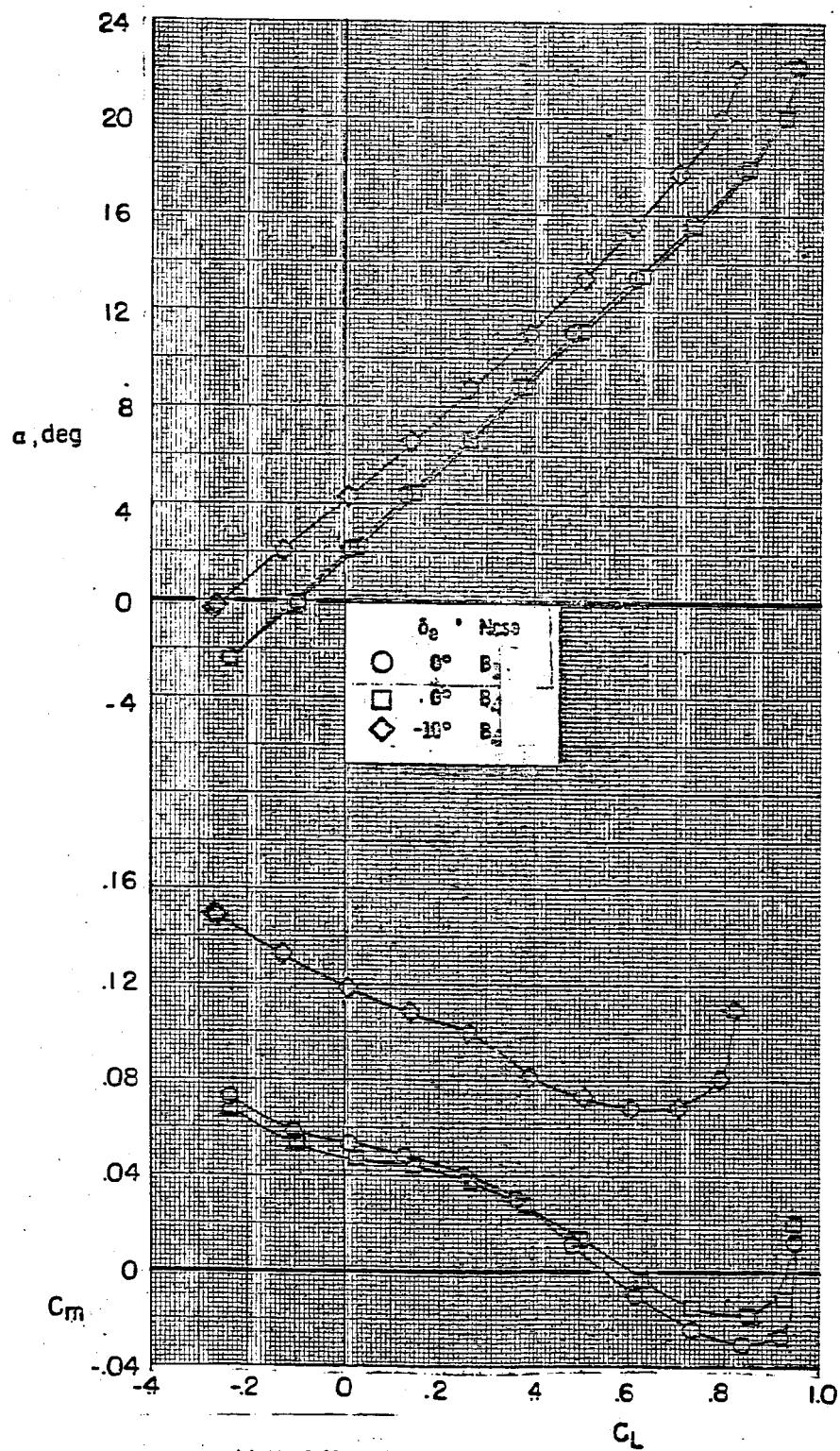


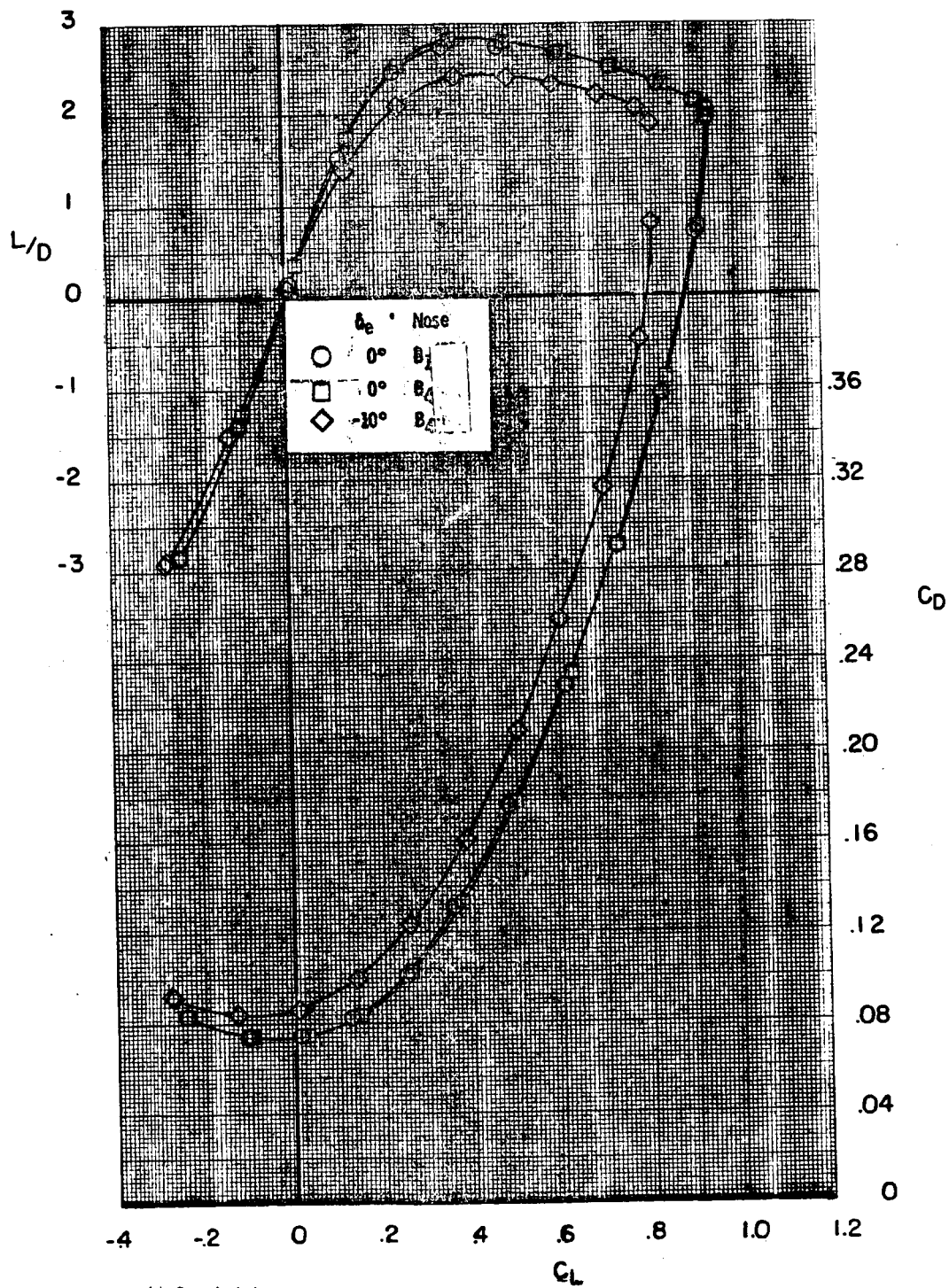
Figure 5.- Continued.



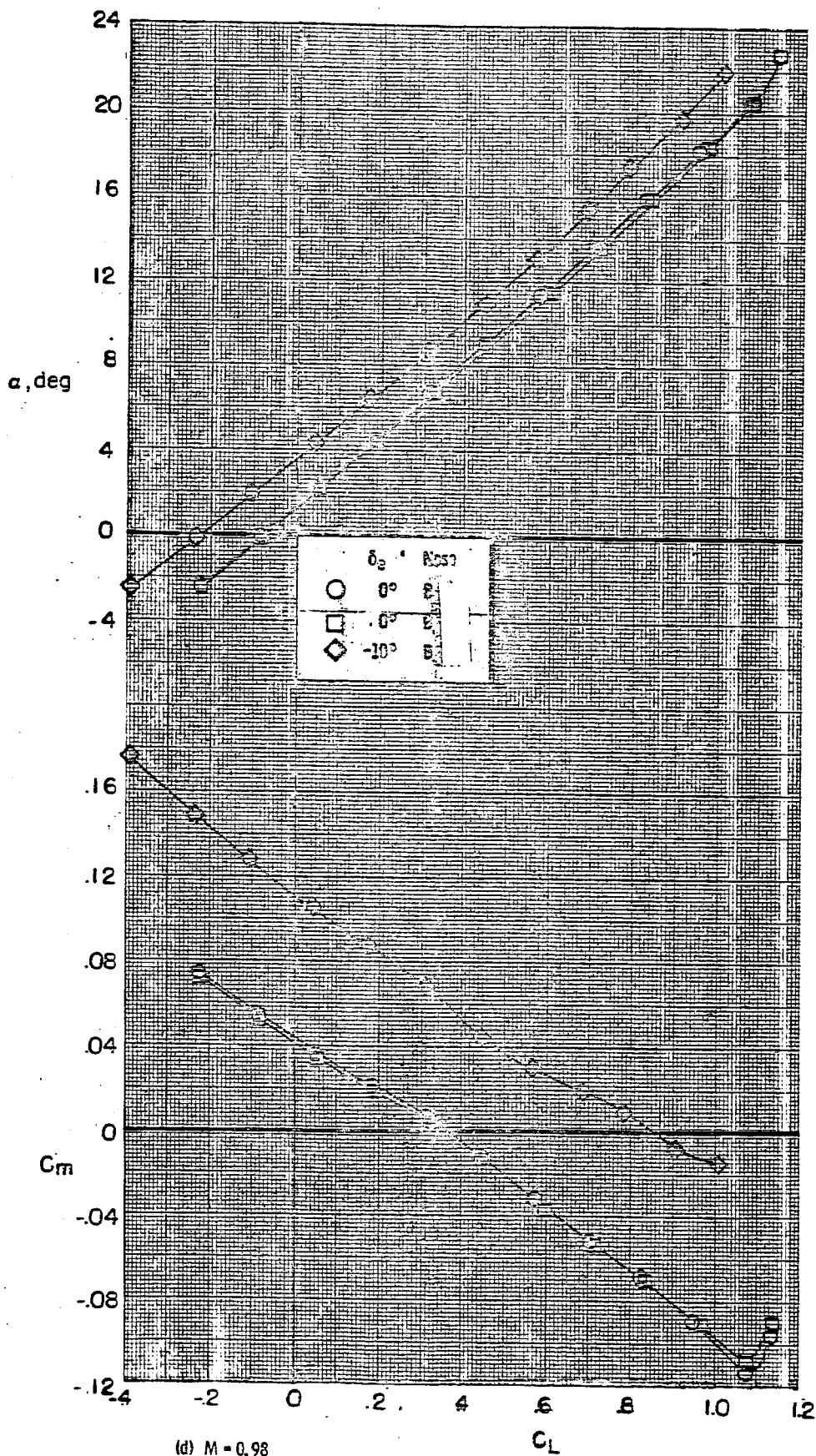
(b) Concluded.
Figure 5. - Continued.



(c) $M = 0.90$
Figure 5. - Continued.

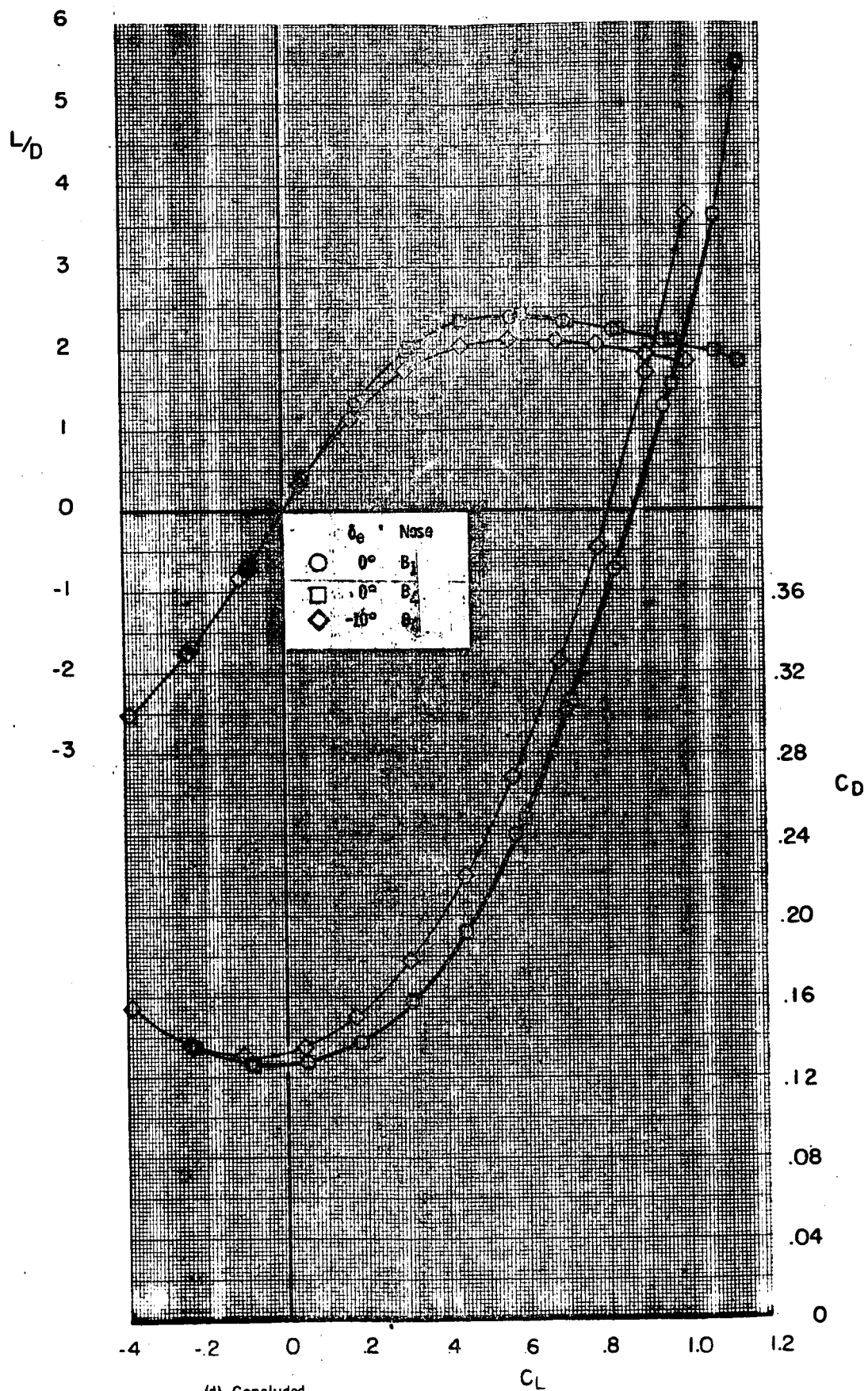


(c) Concluded.
Figure 5.- Continued.



(d) $M = 0.98$

Figure 5. - Continued.



(d) Concluded
Figure 5. - Continued.

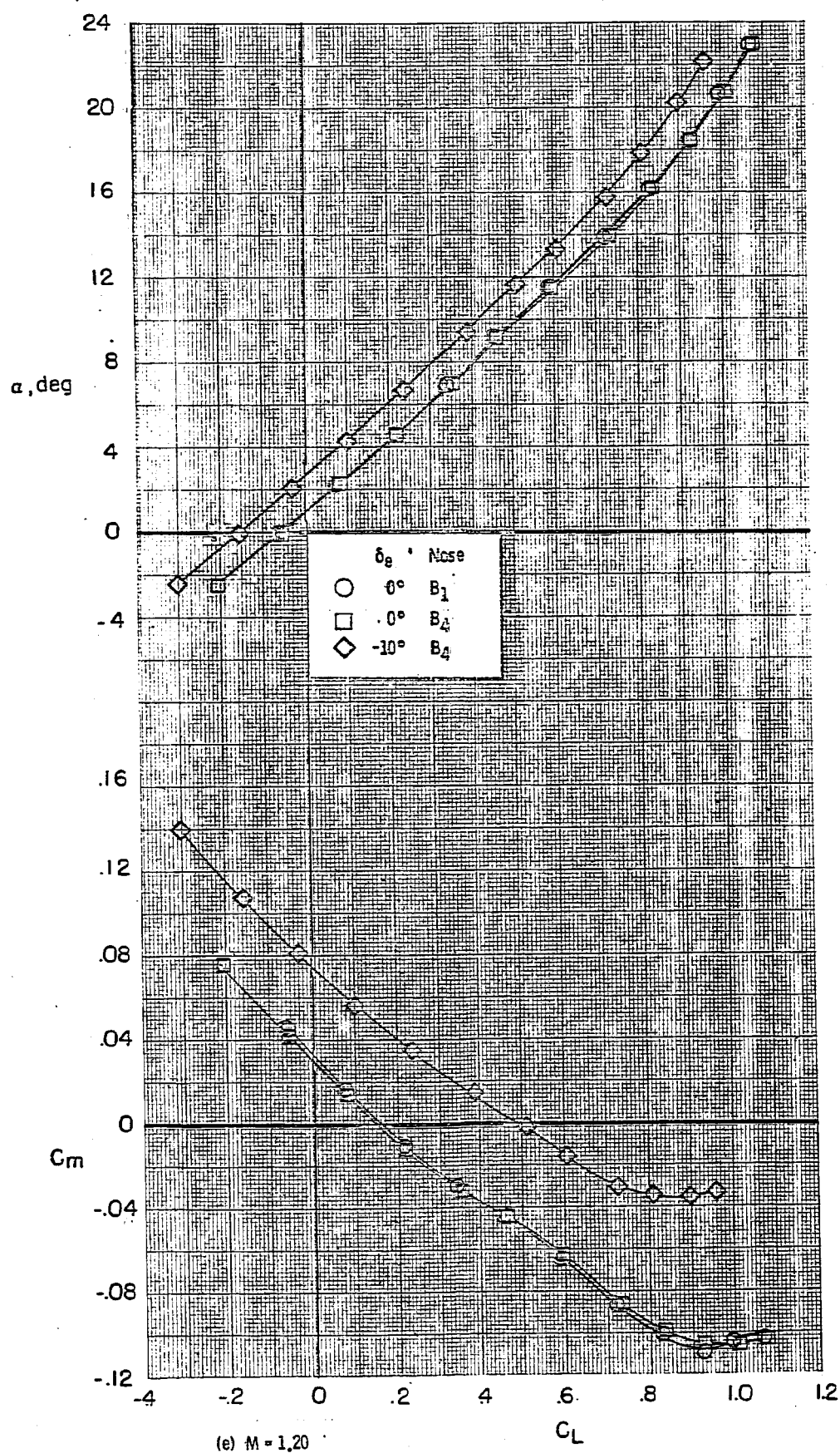
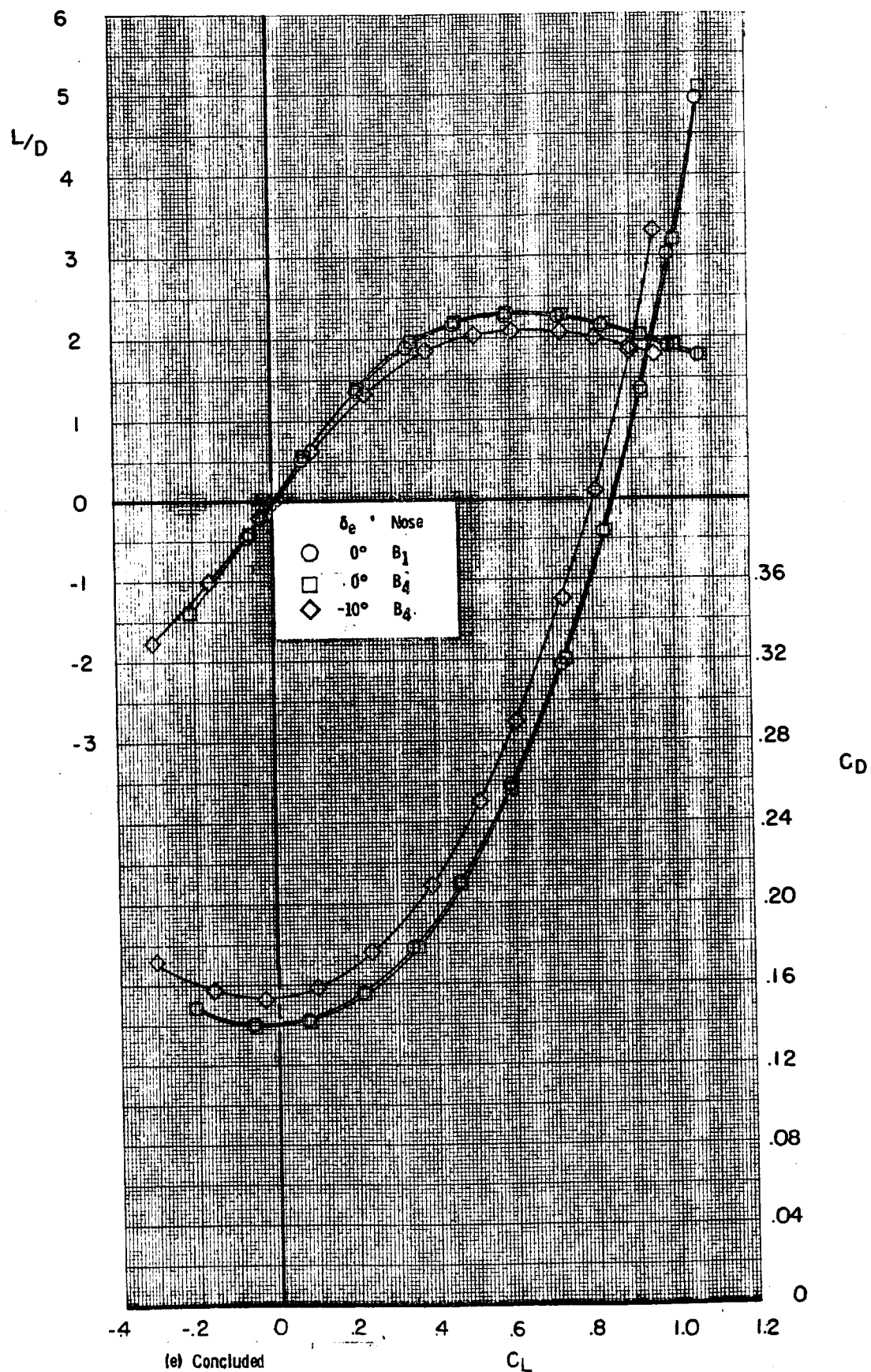


Figure 5.- Continued.



(e) Concluded
Figure 5. - Concluded.

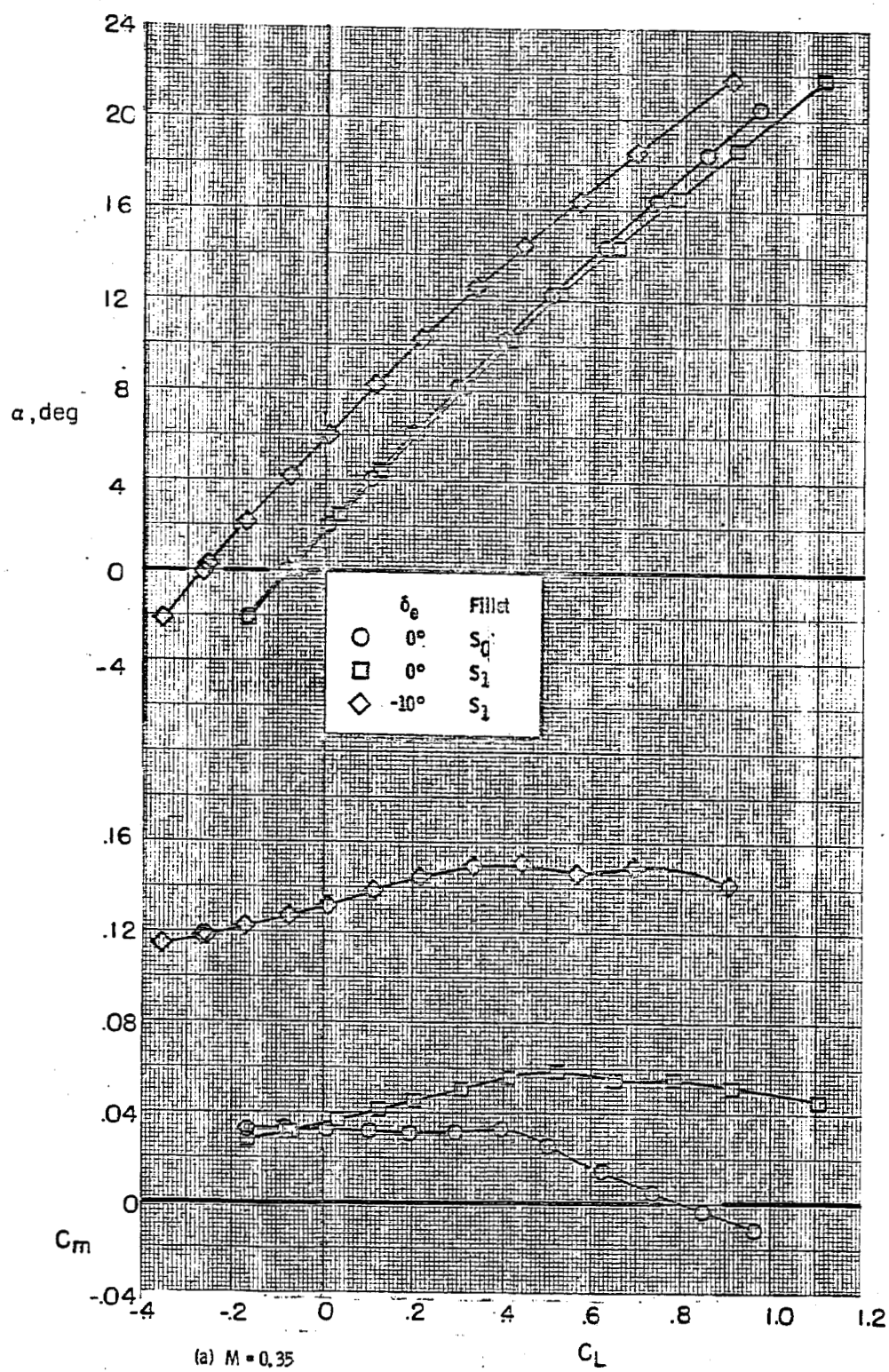
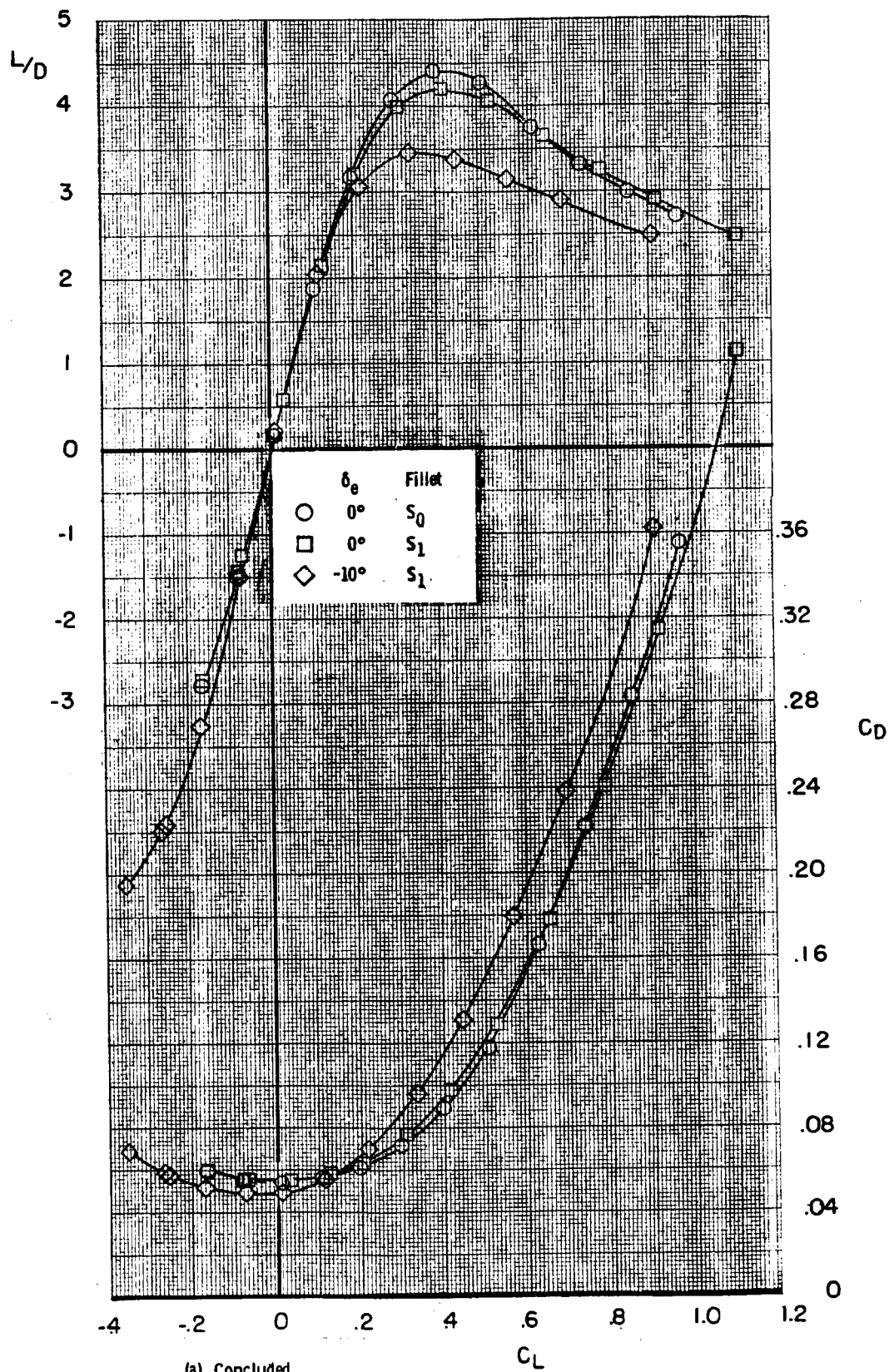
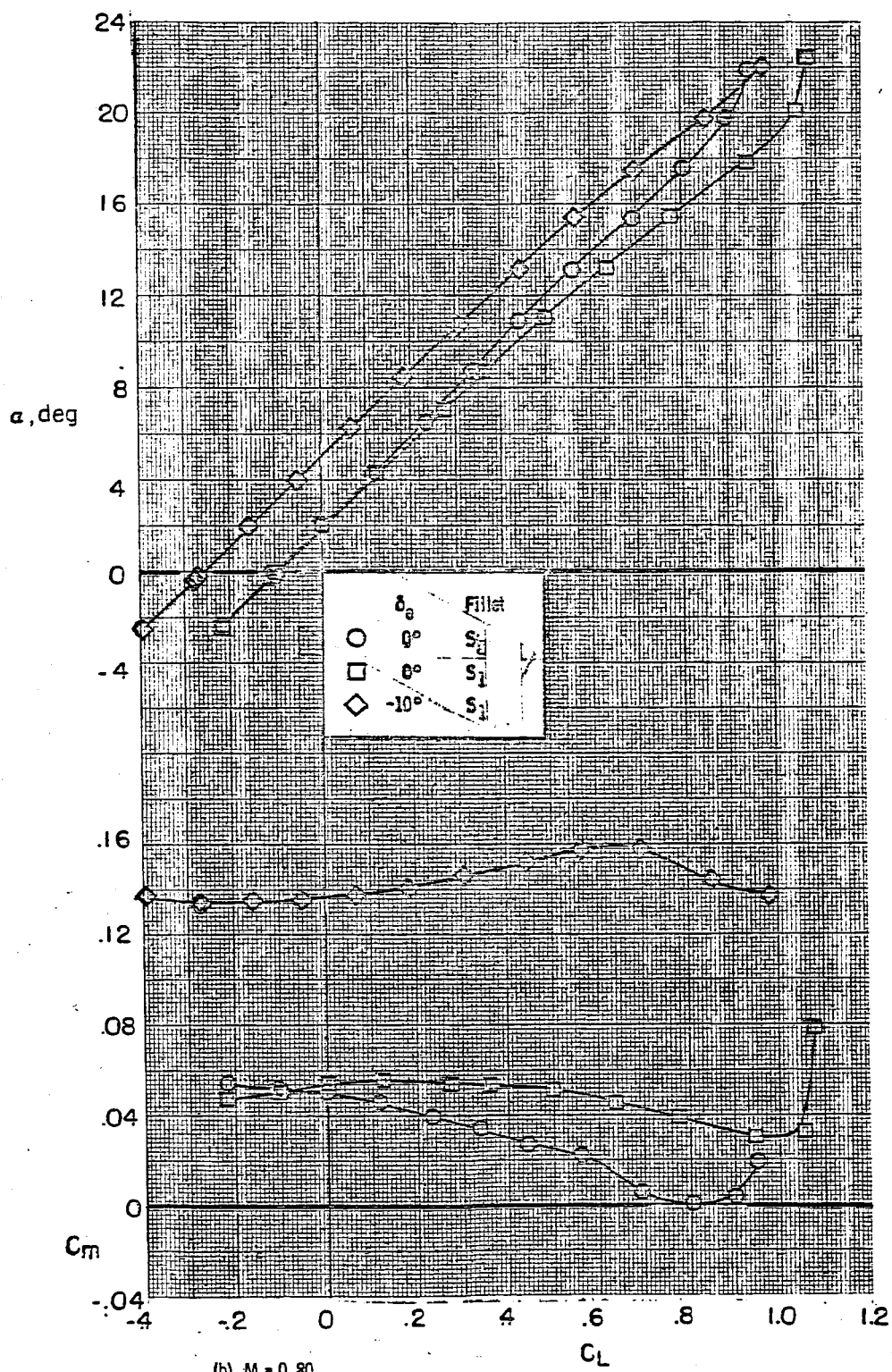


Figure 6.- Effect of planform fillet S_1 on the longitudinal aerodynamic characteristics of configuration B1WVS0EF. $\delta_{BF} = -11.7^\circ$; $\delta_{SB} = 0^\circ$.



(a) Concluded
Figure 6. - Continued.



(b) $M = 0.80$
Figure 6. - Continued.

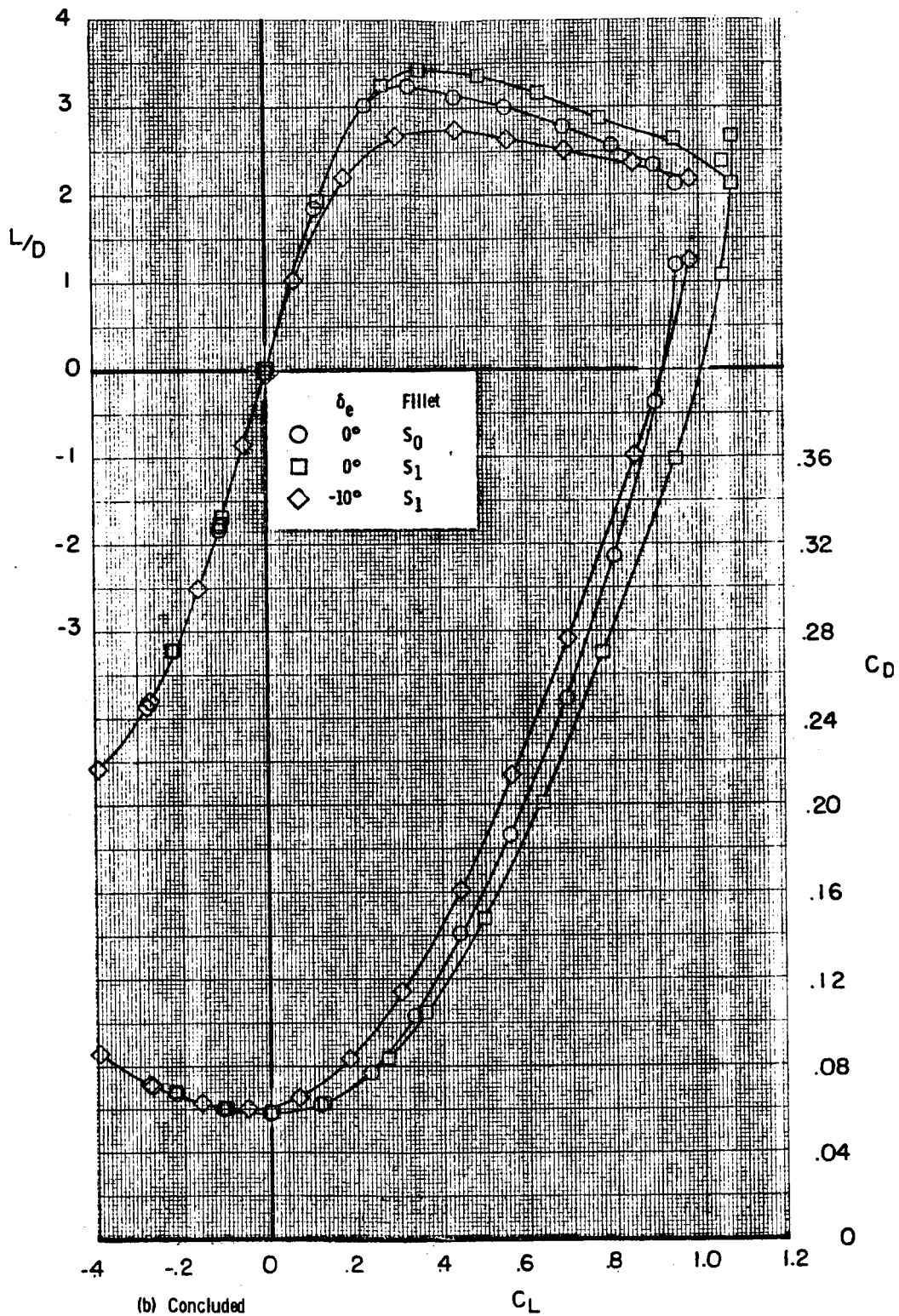


Figure 6. - Continued.

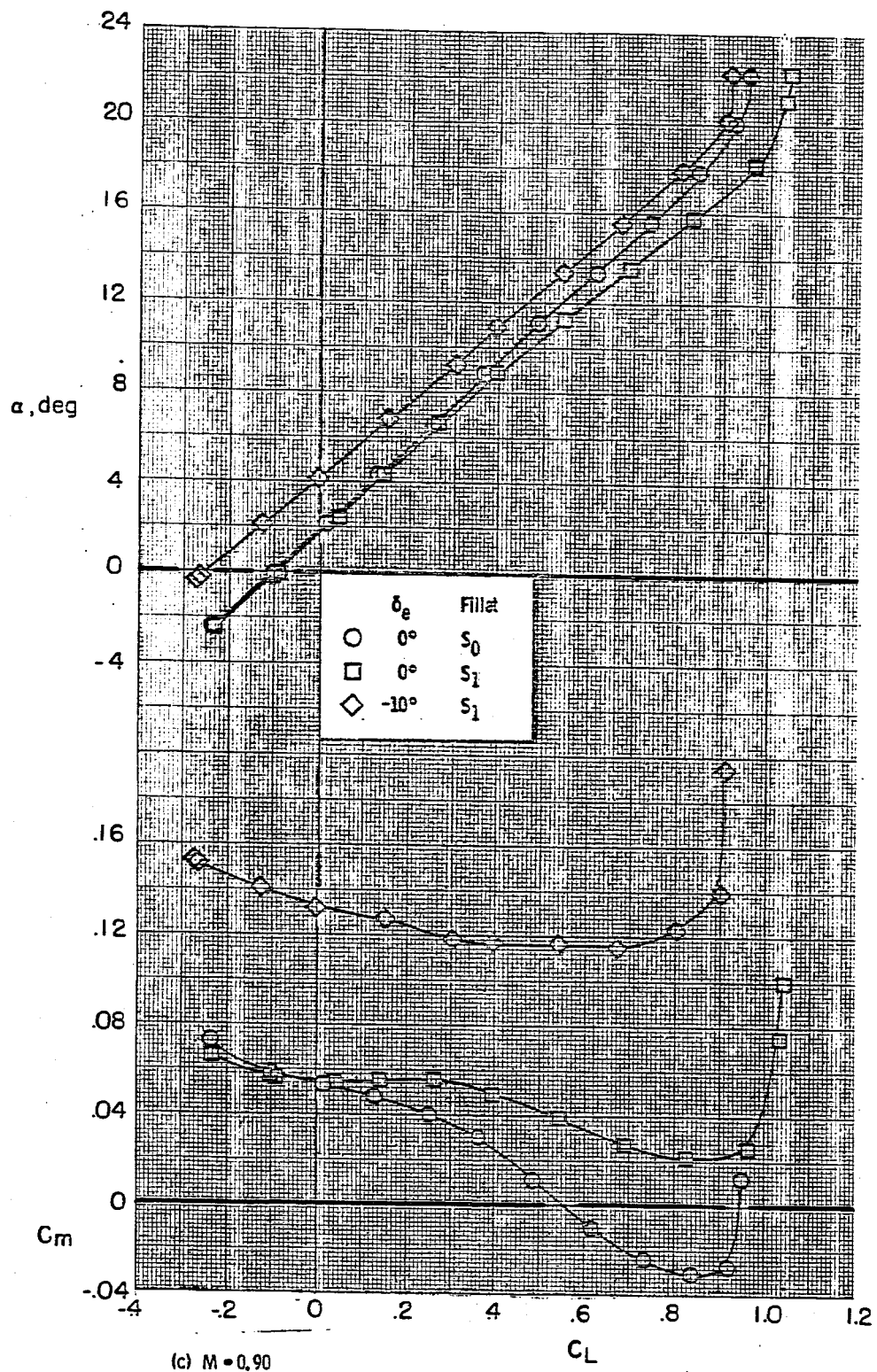
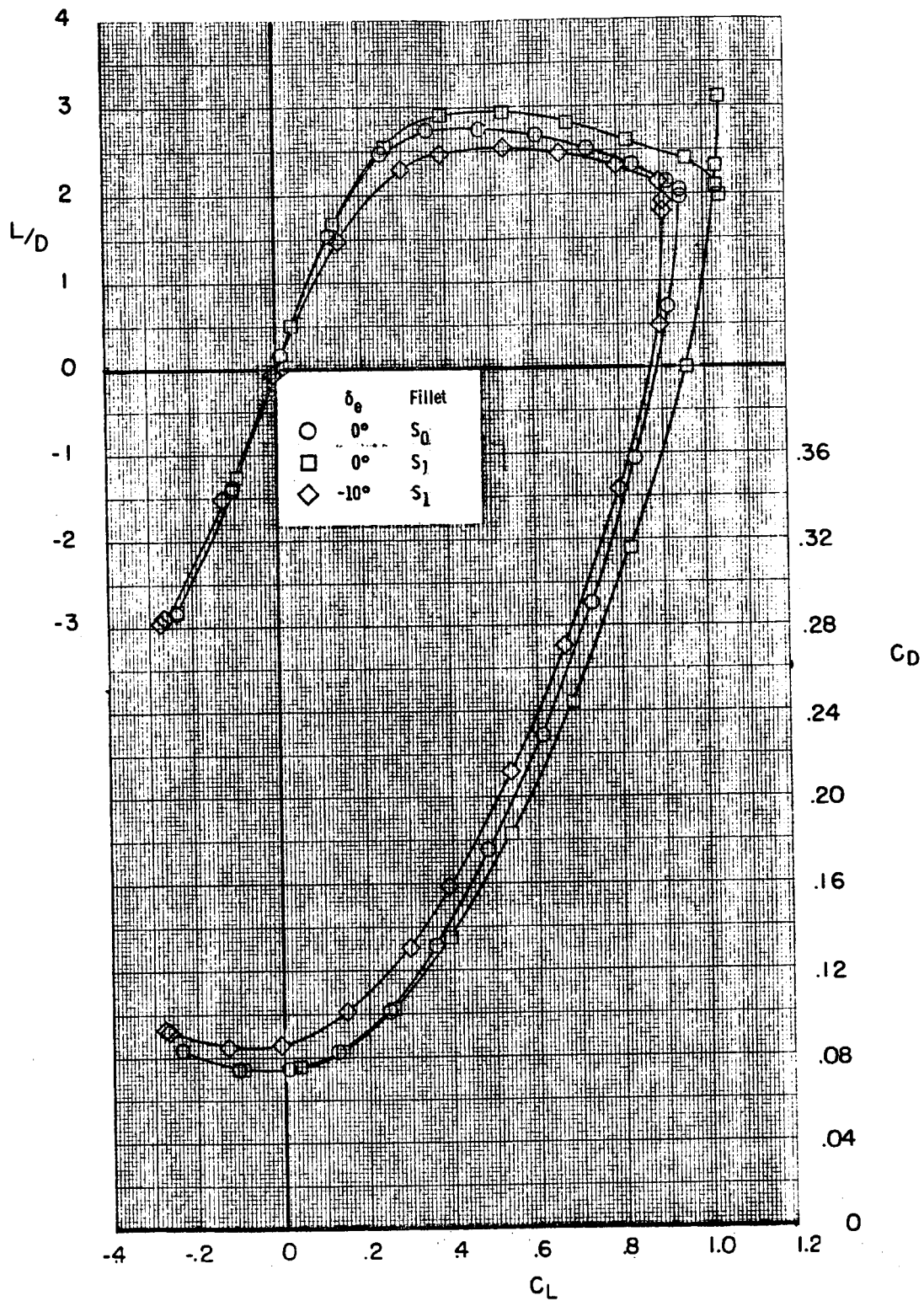
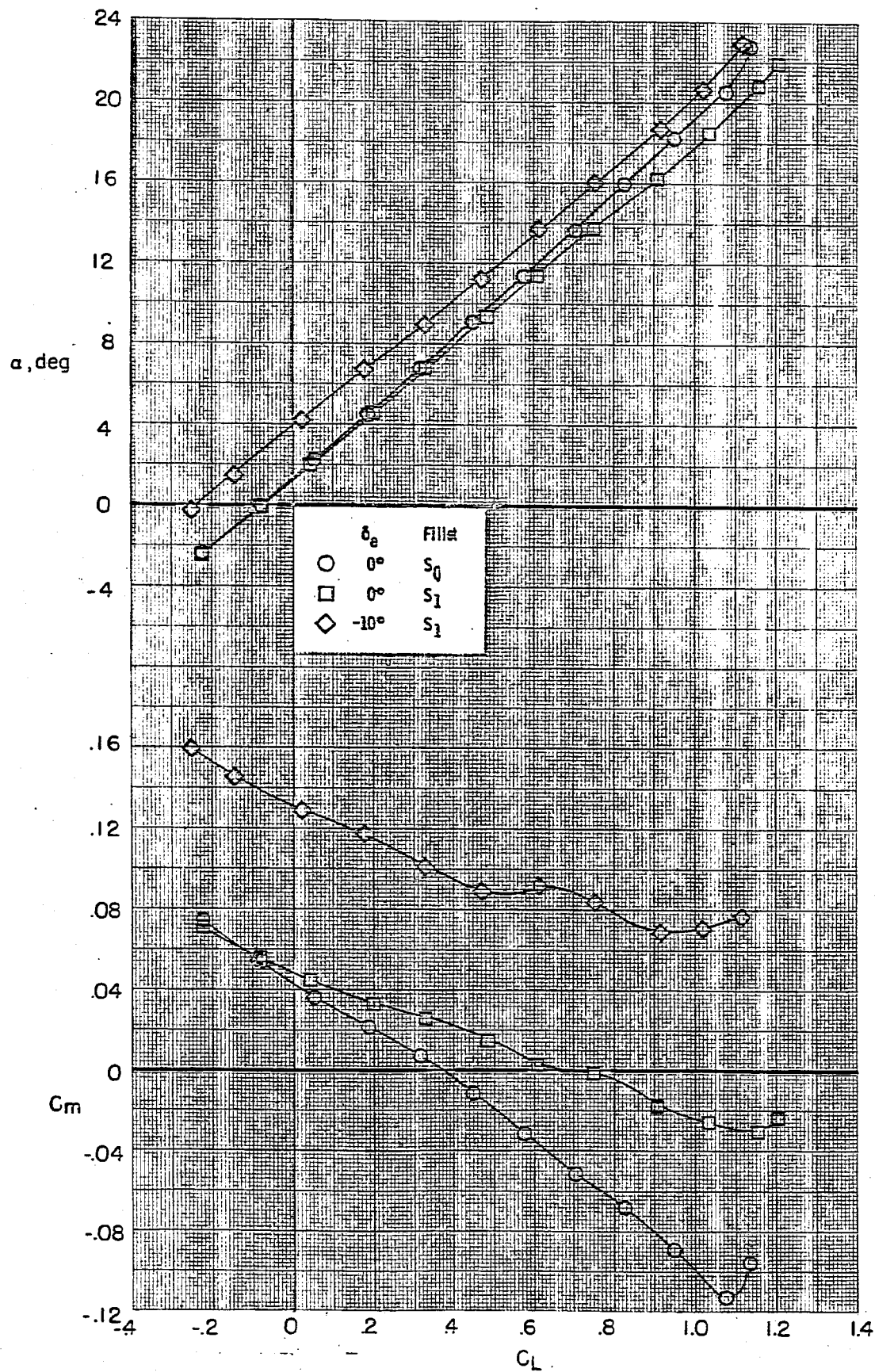


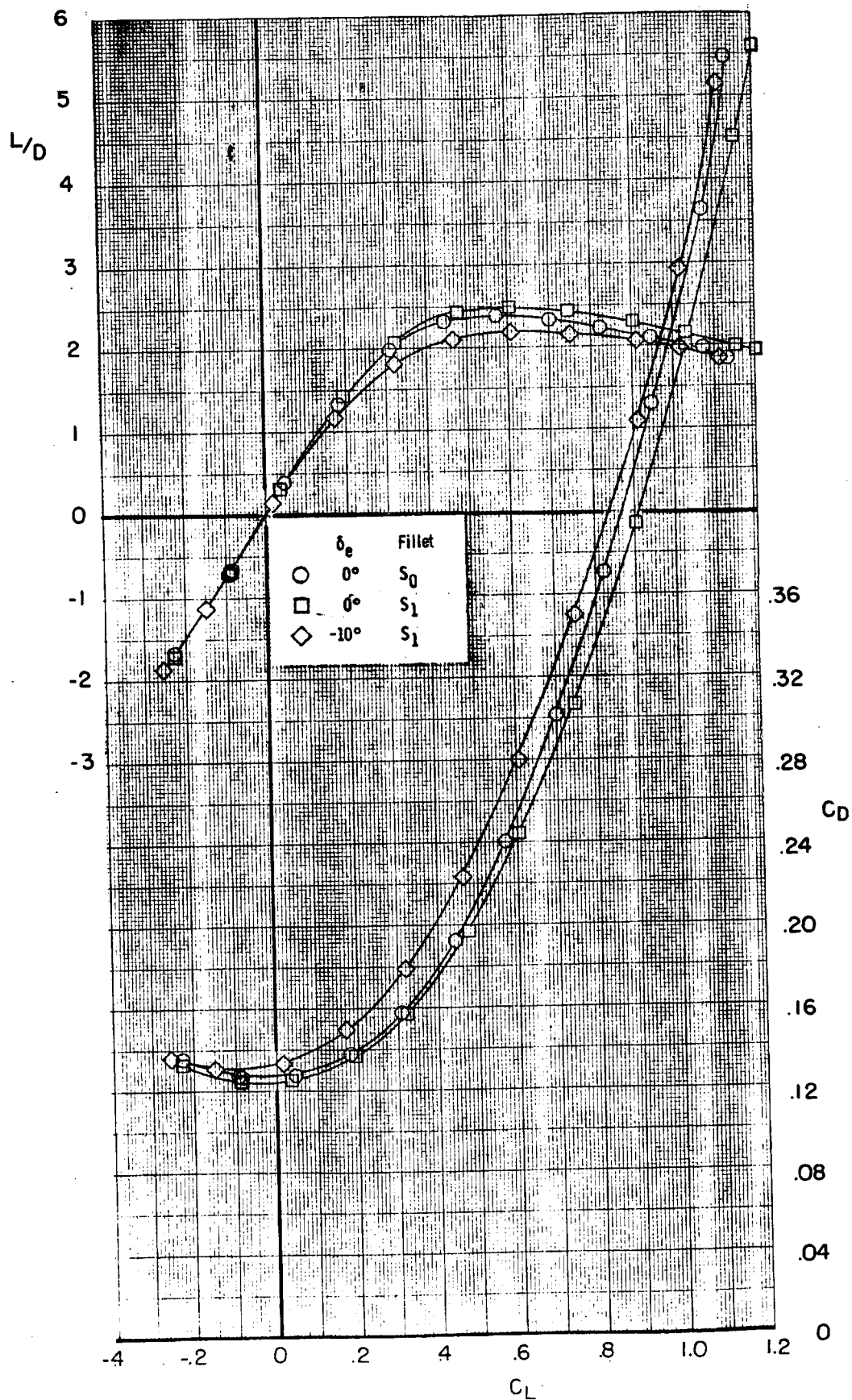
Figure 6.- Continued.



(c) Concluded
Figure 6. - Continued.



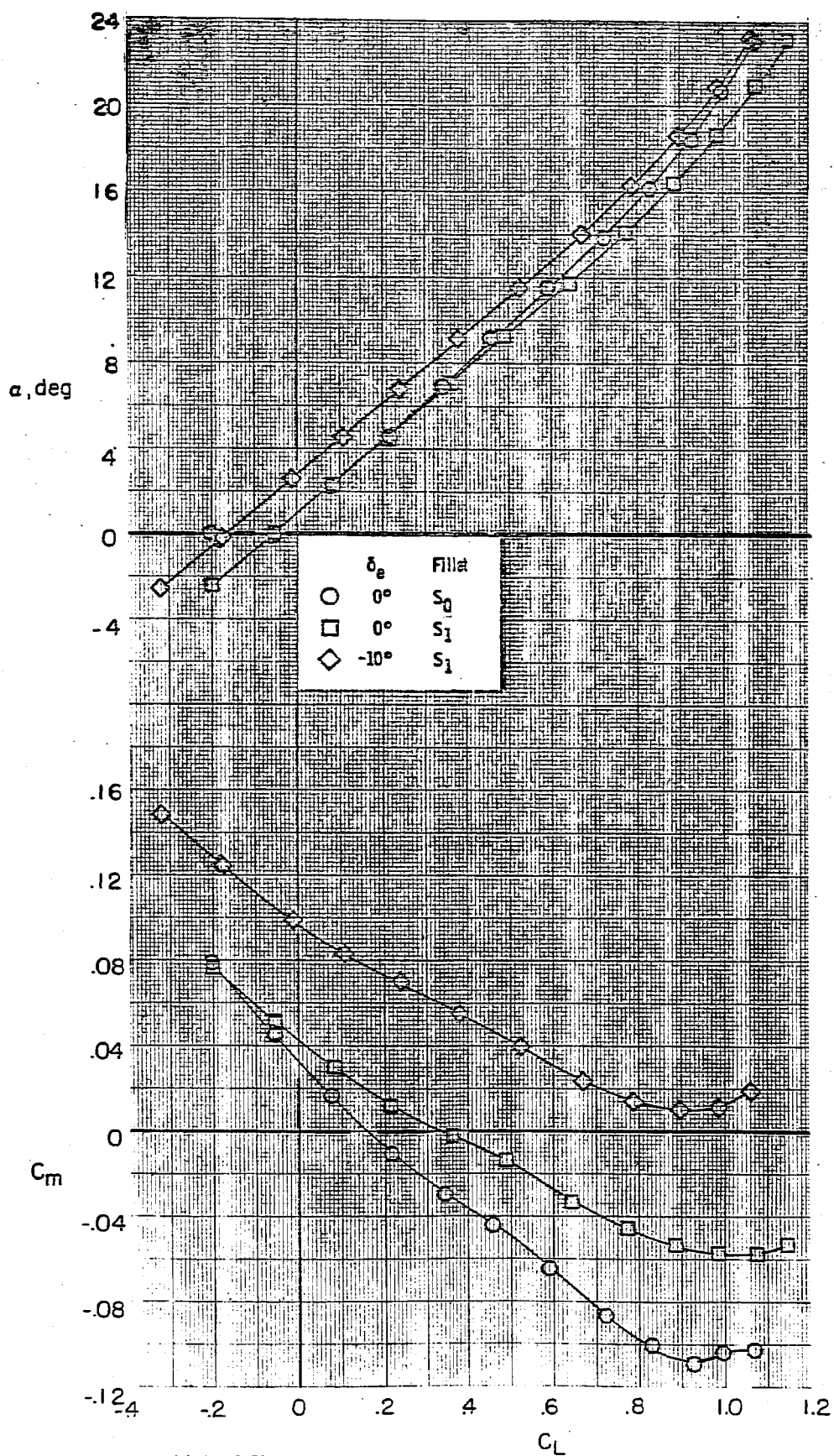
(d) $M_\infty = 0.98$
Figure 6. - Continued.



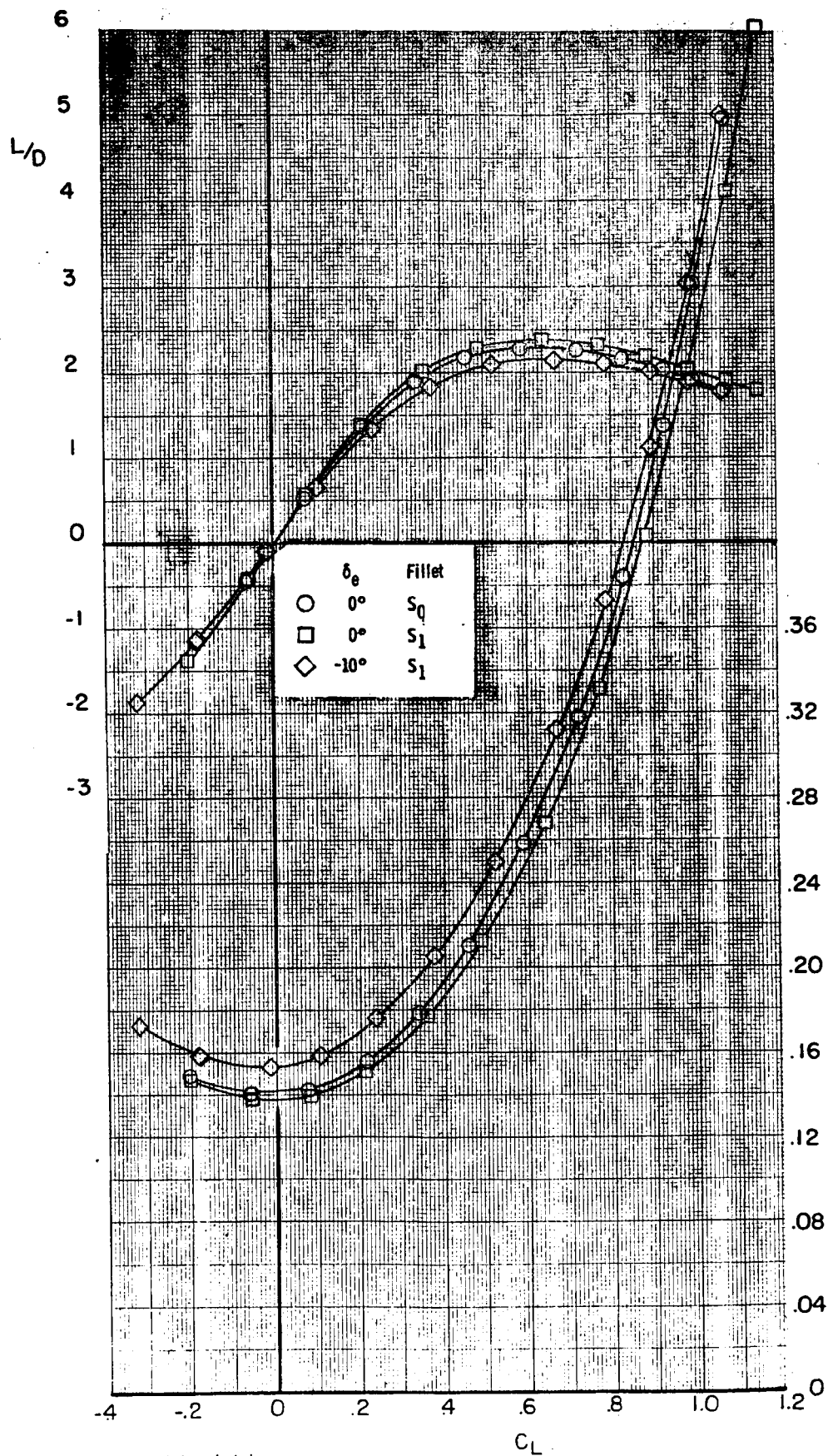
(d) Concluded
Figure 6. - Continued.

65

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(e) $M = 1.20$
Figure 6. - Continued.



(e) Concluded

Figure 6.- Concluded.

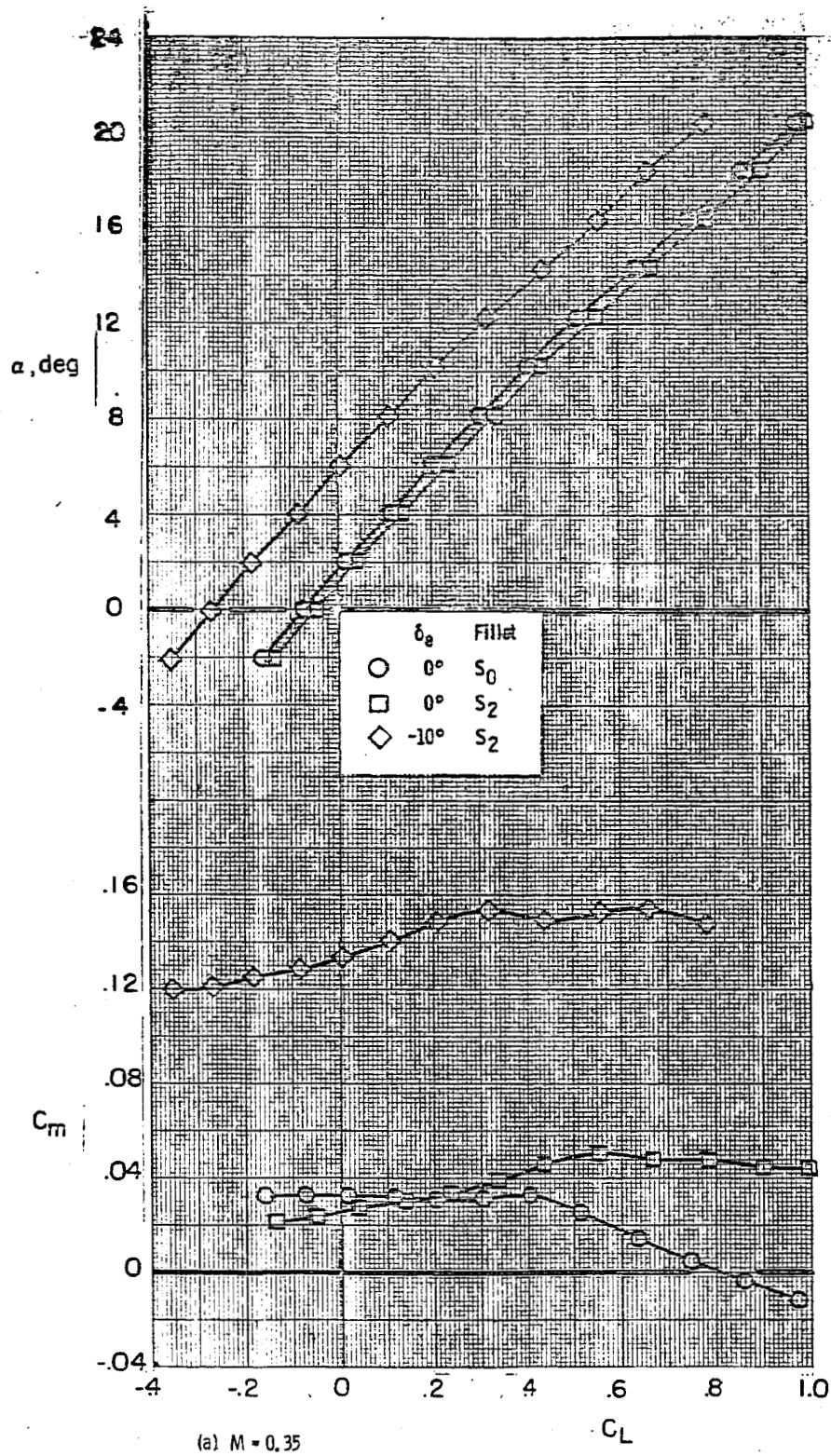
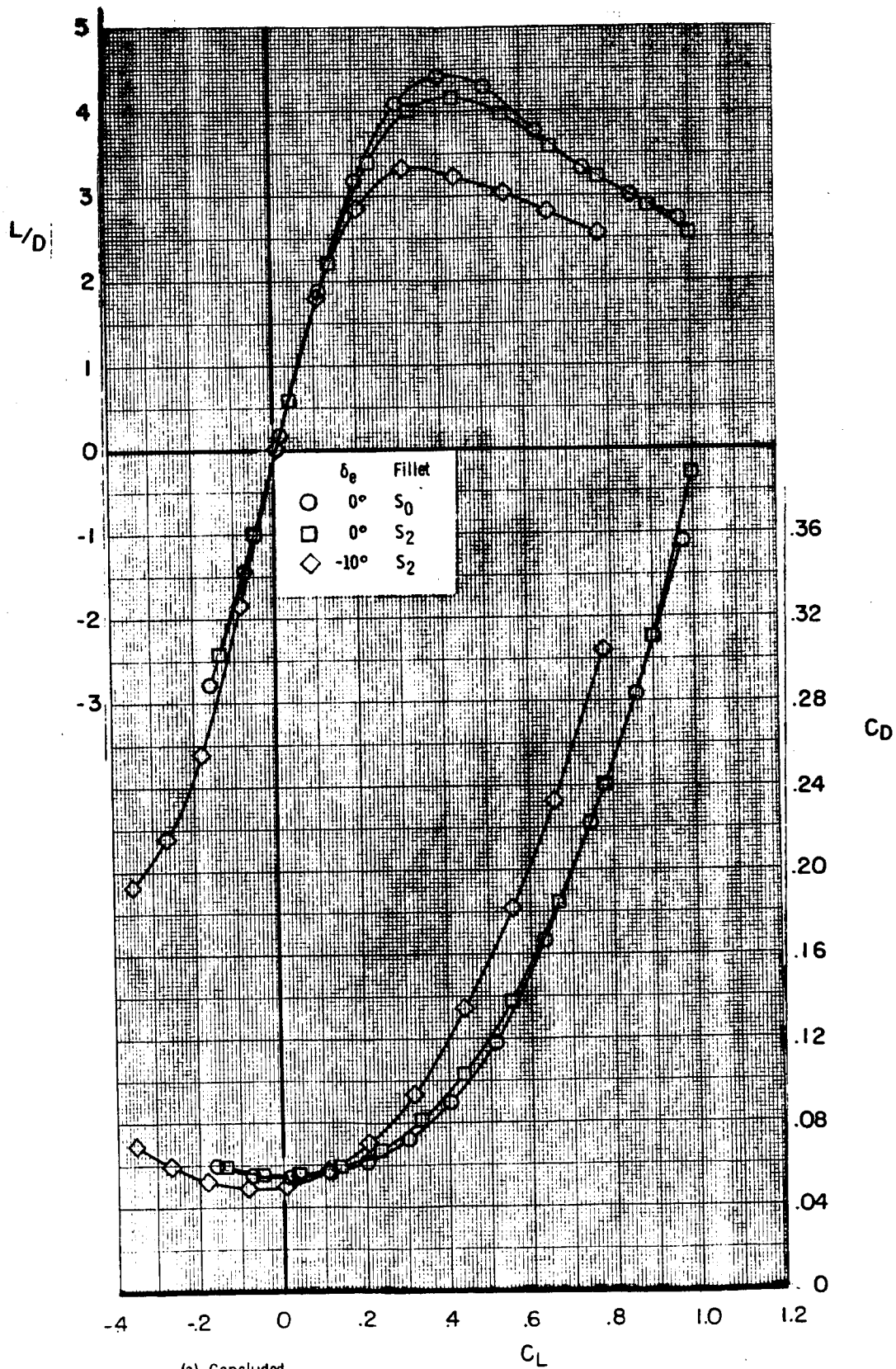
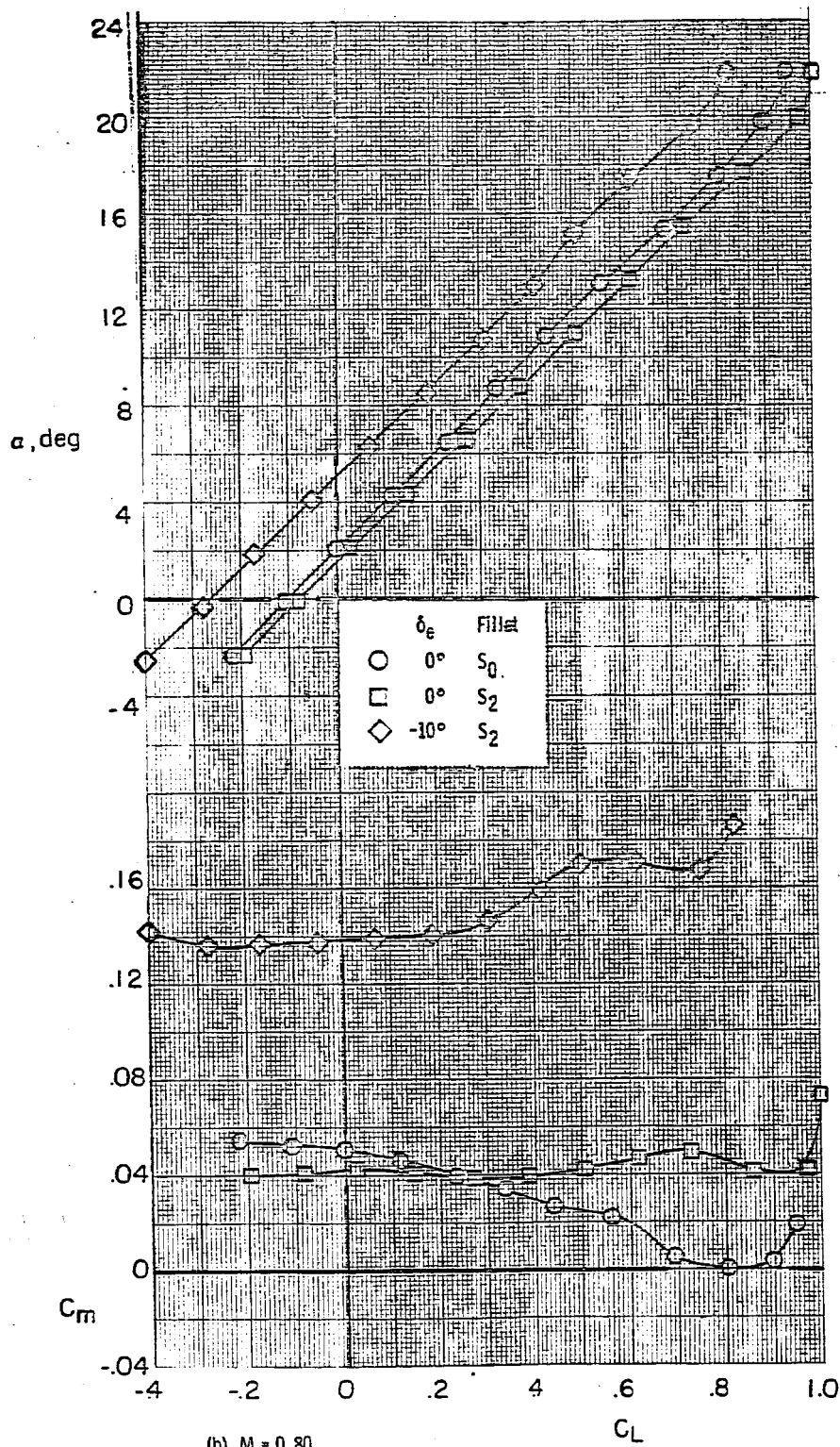


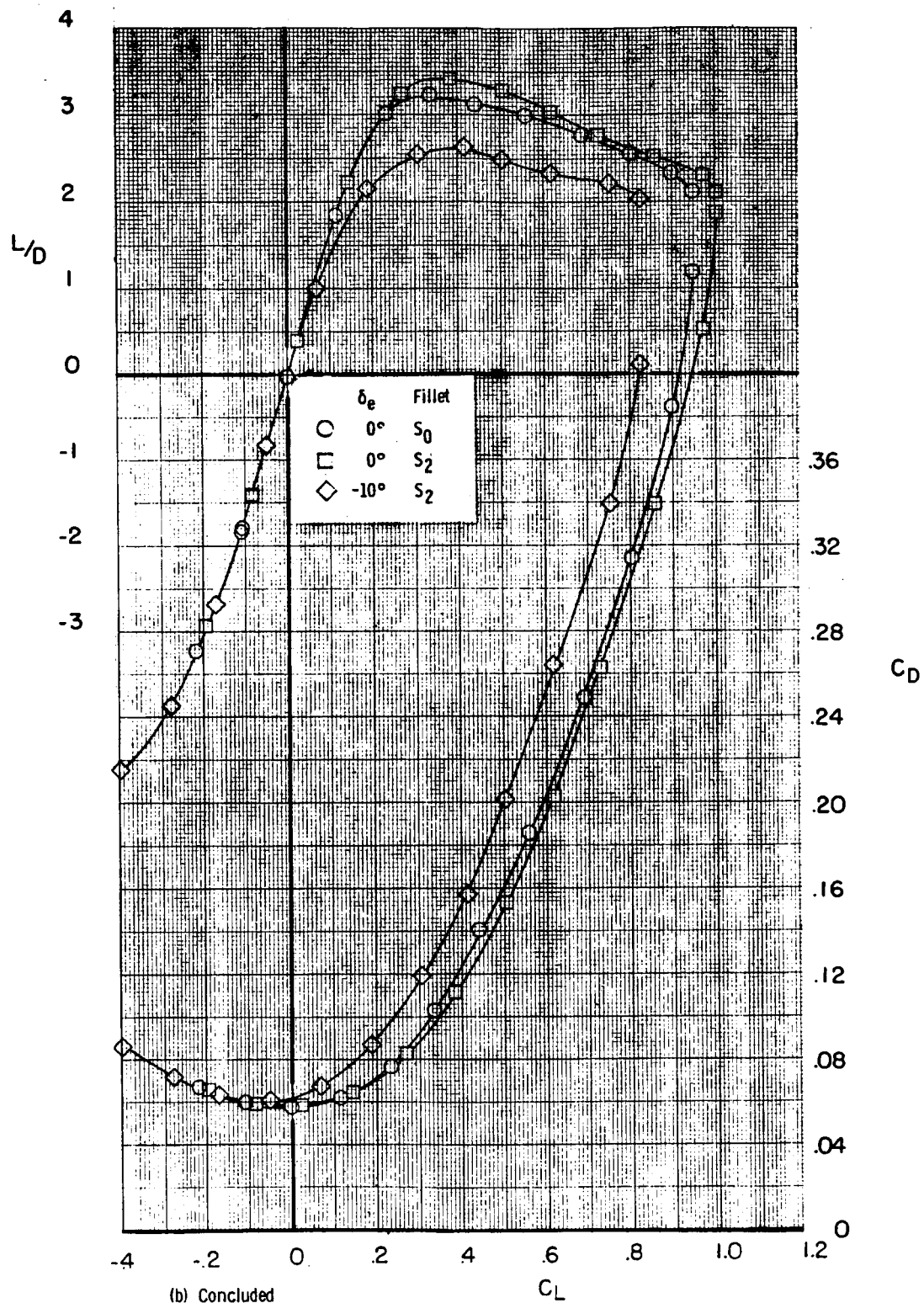
Figure 7. - Effect of planform fillet S_2 on the longitudinal aerodynamic characteristics for B_1WVS_0EF . $\delta_{BF} = -11.7^\circ$; $\delta_{SB} = 0^\circ$.



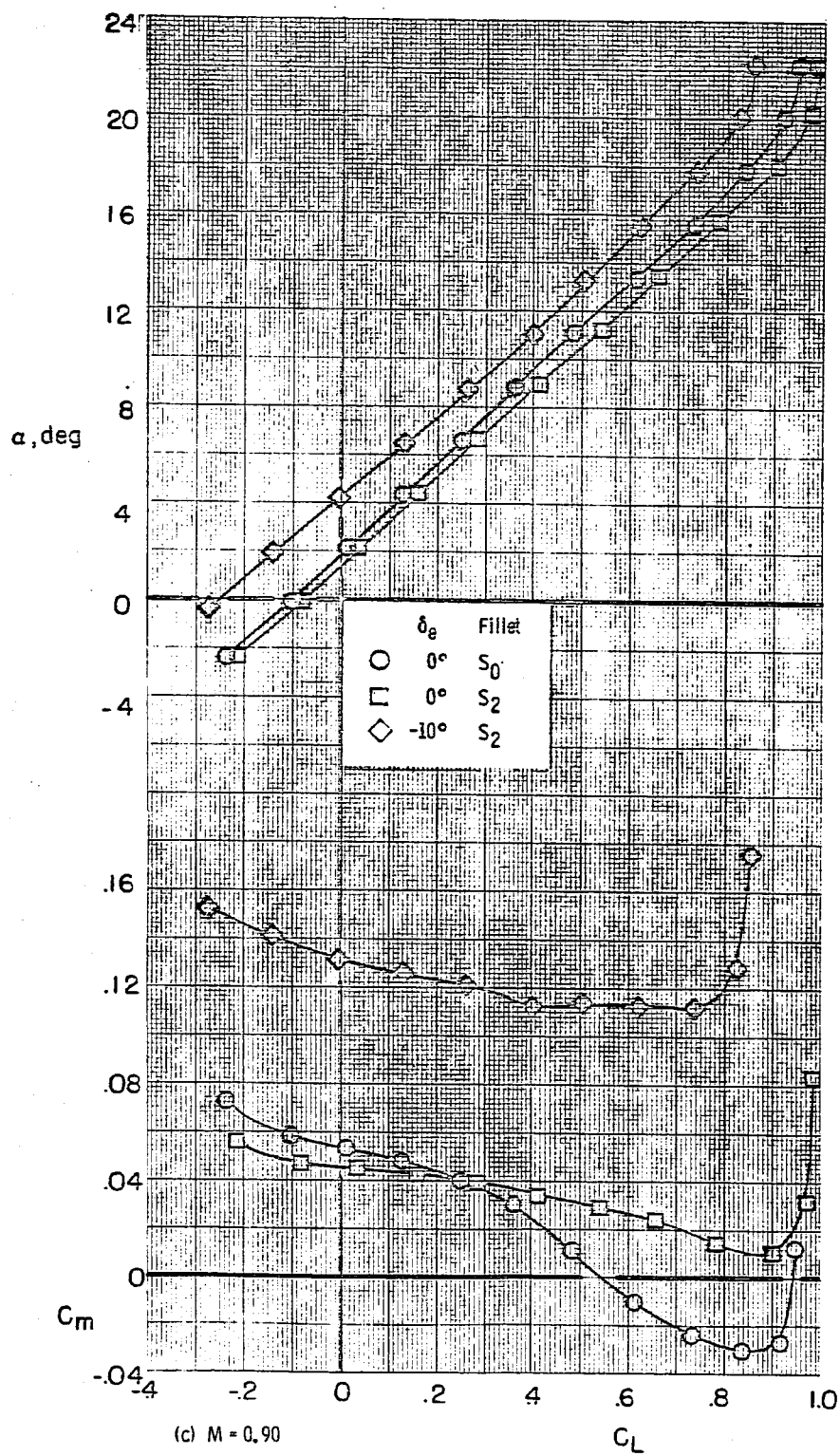
(a) Concluded
Figure 7.- Continued.

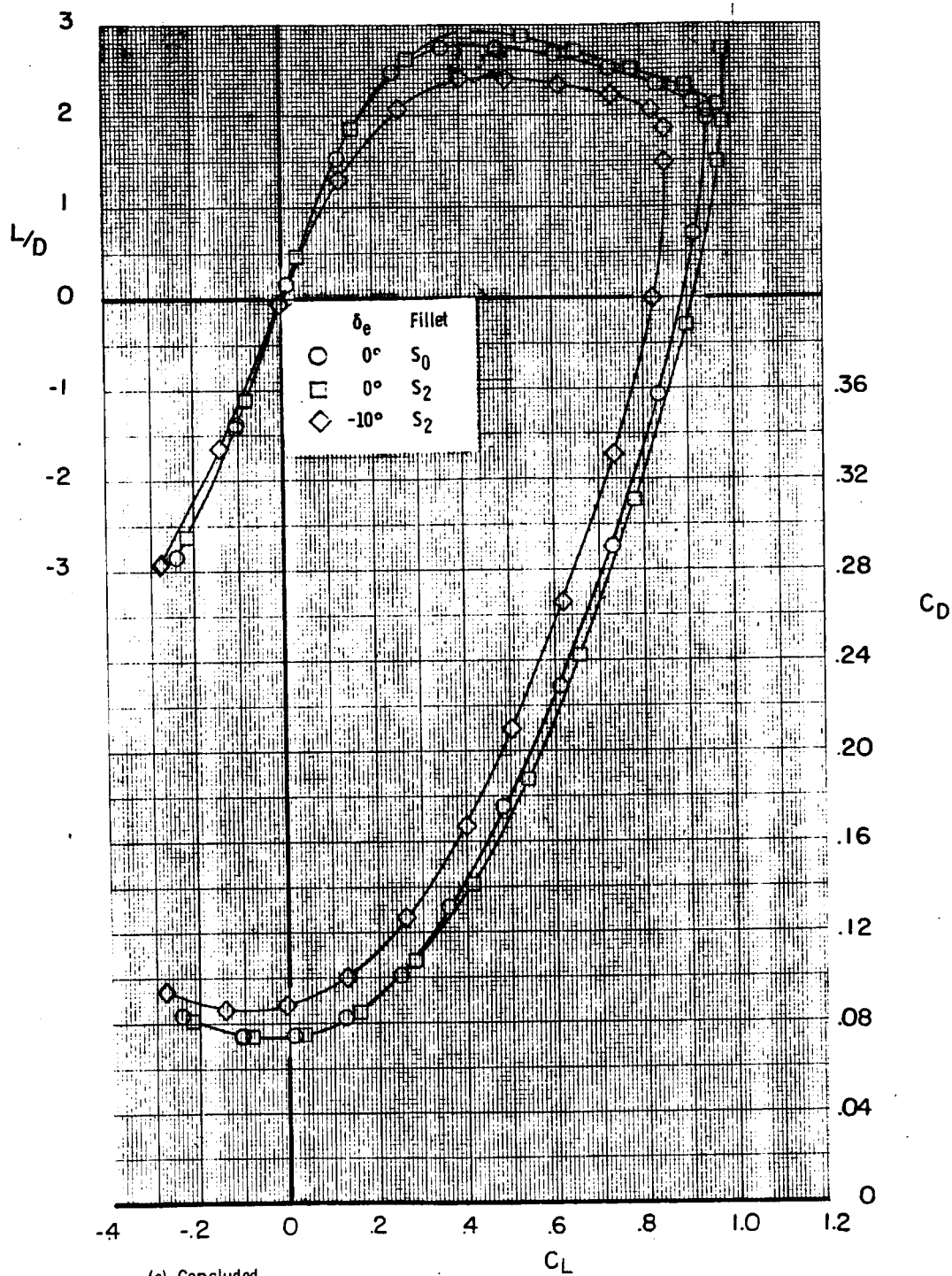


(b) $M = 0.80$
Figure 7.- Continued.



(b) Concluded
Figure 7.- Continued.





(c) Concluded
Figure 7.- Continued.

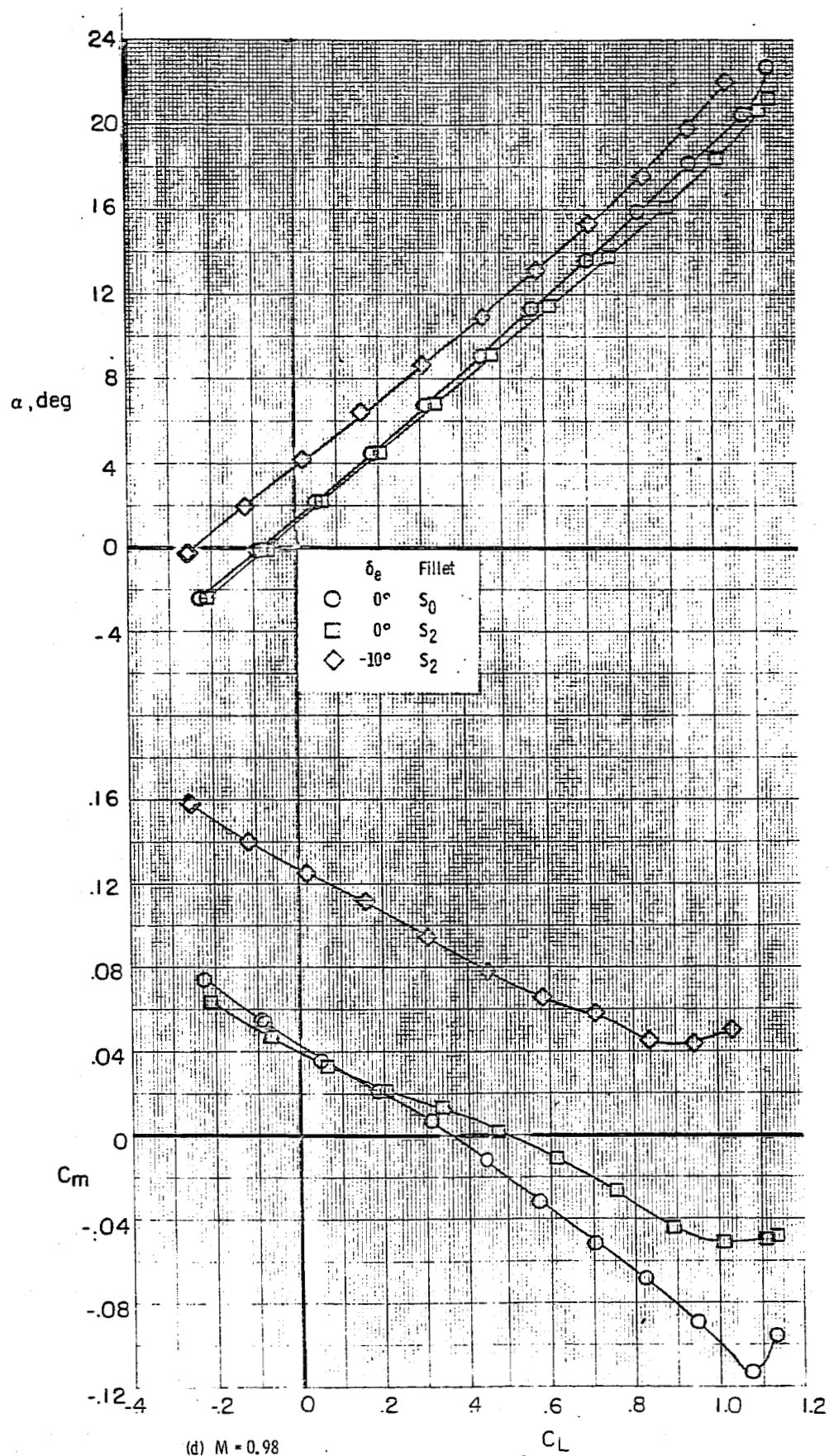
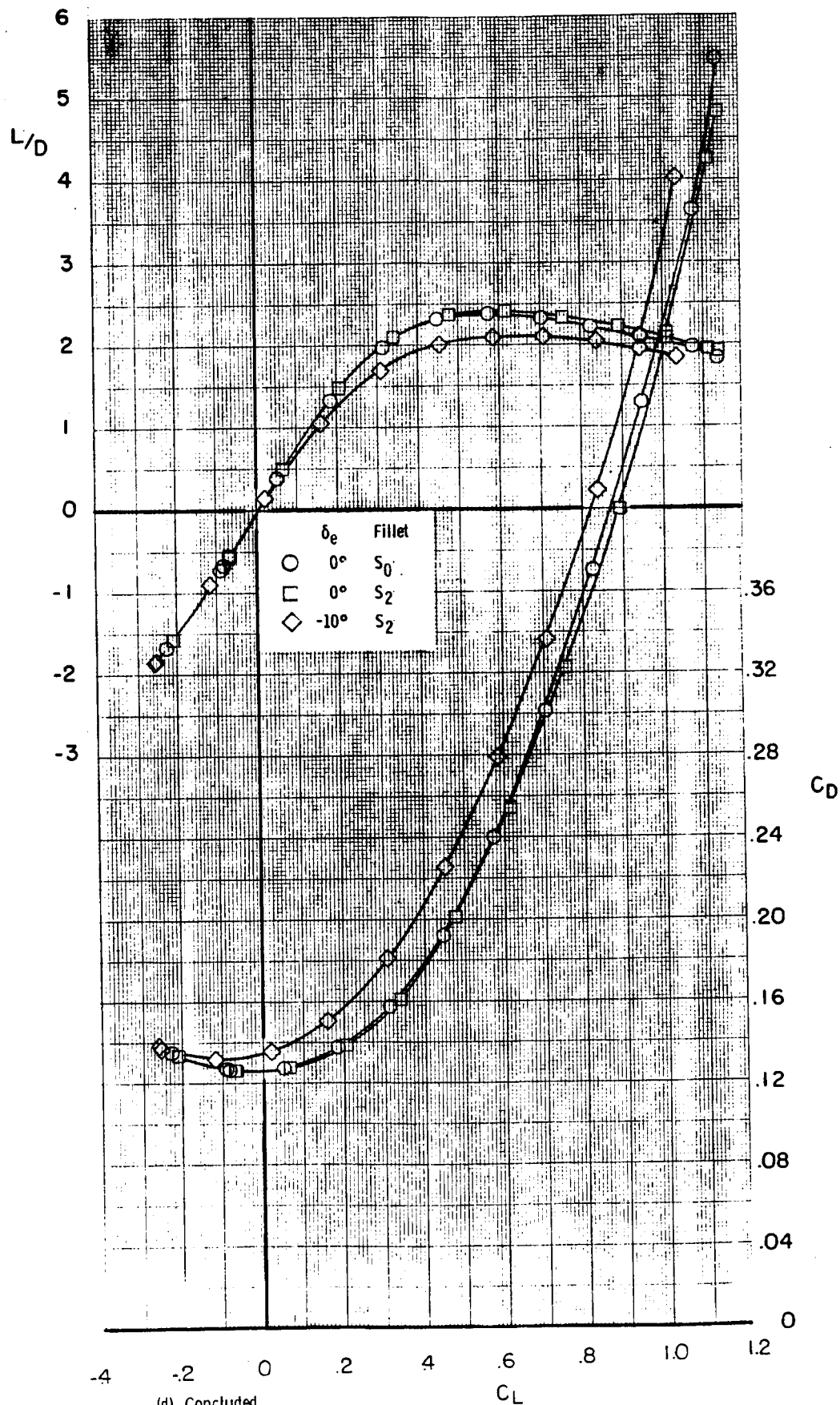


Figure 7.- Continued.



(d) Concluded

Figure 7.- Continued.

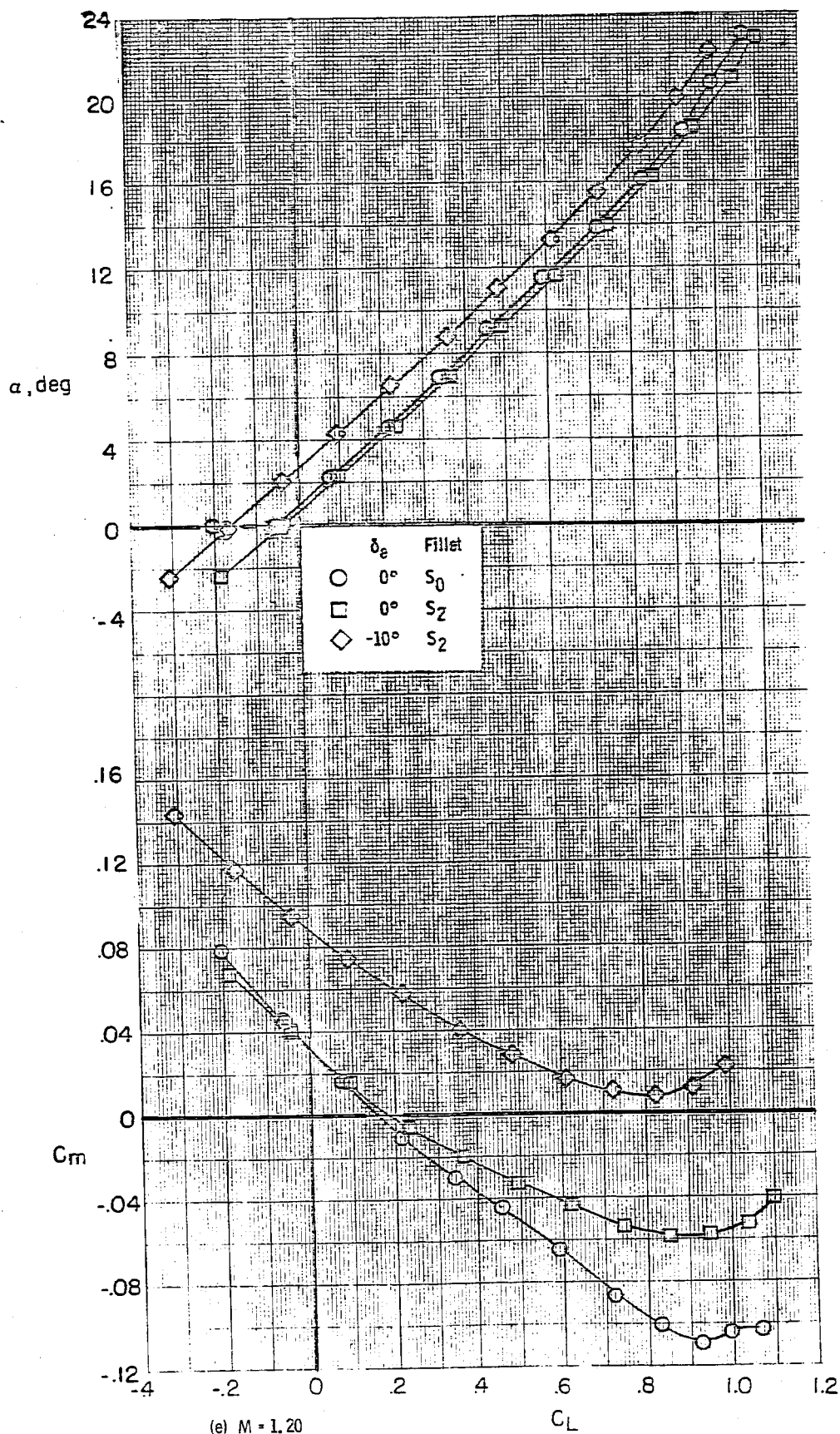
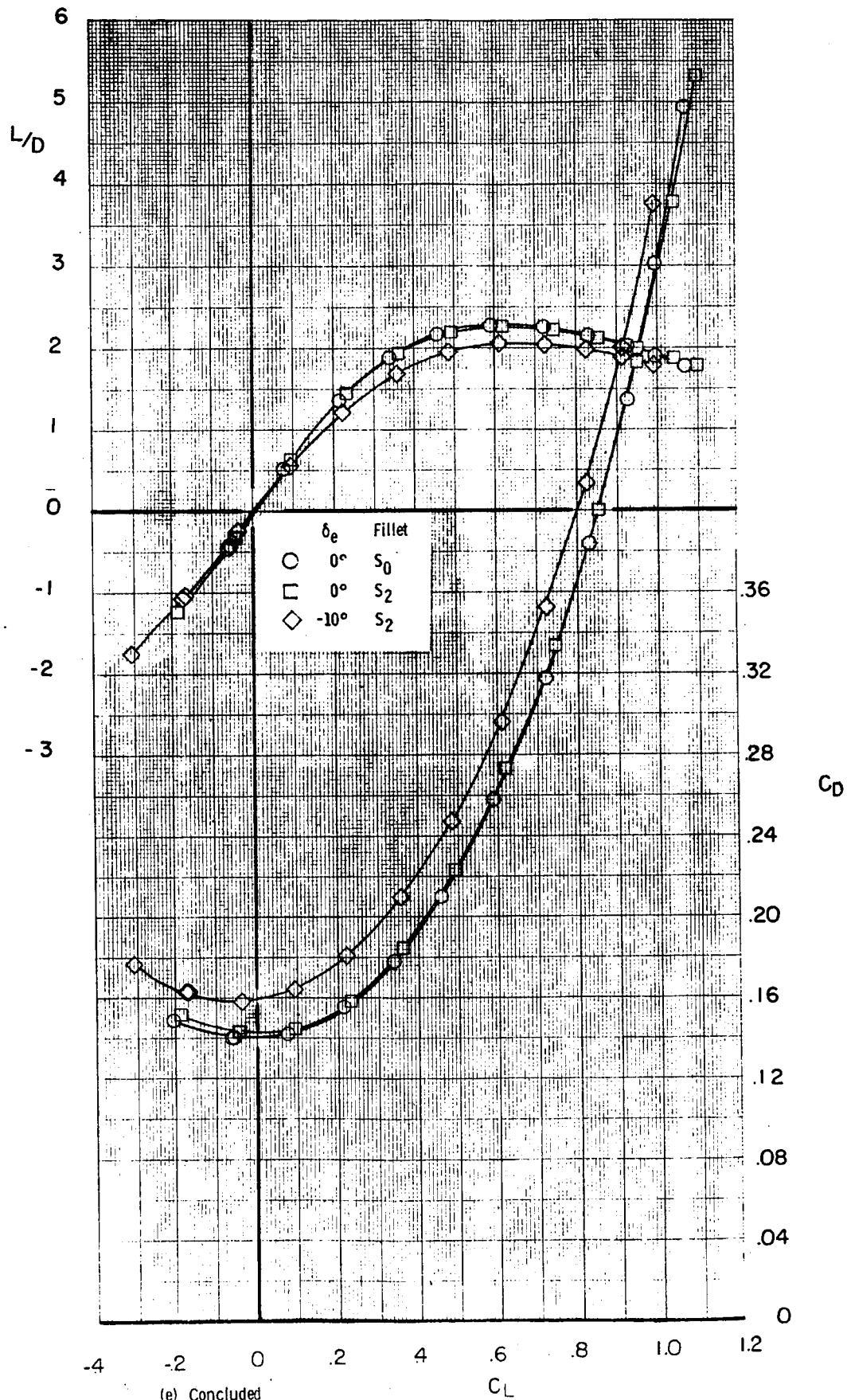


Figure 7.- Continued.



(e) Concluded
Figure 7.- Concluded.

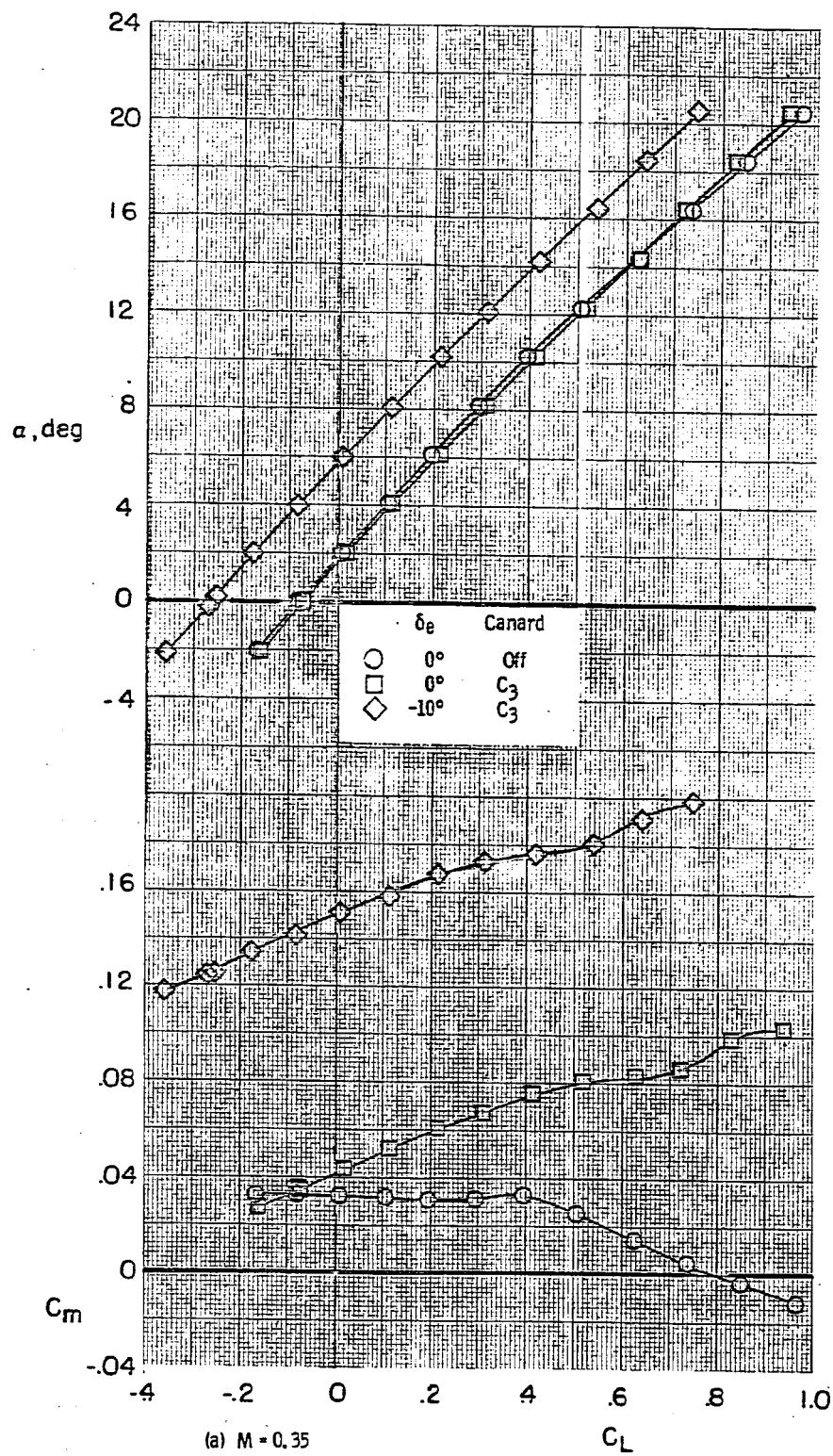
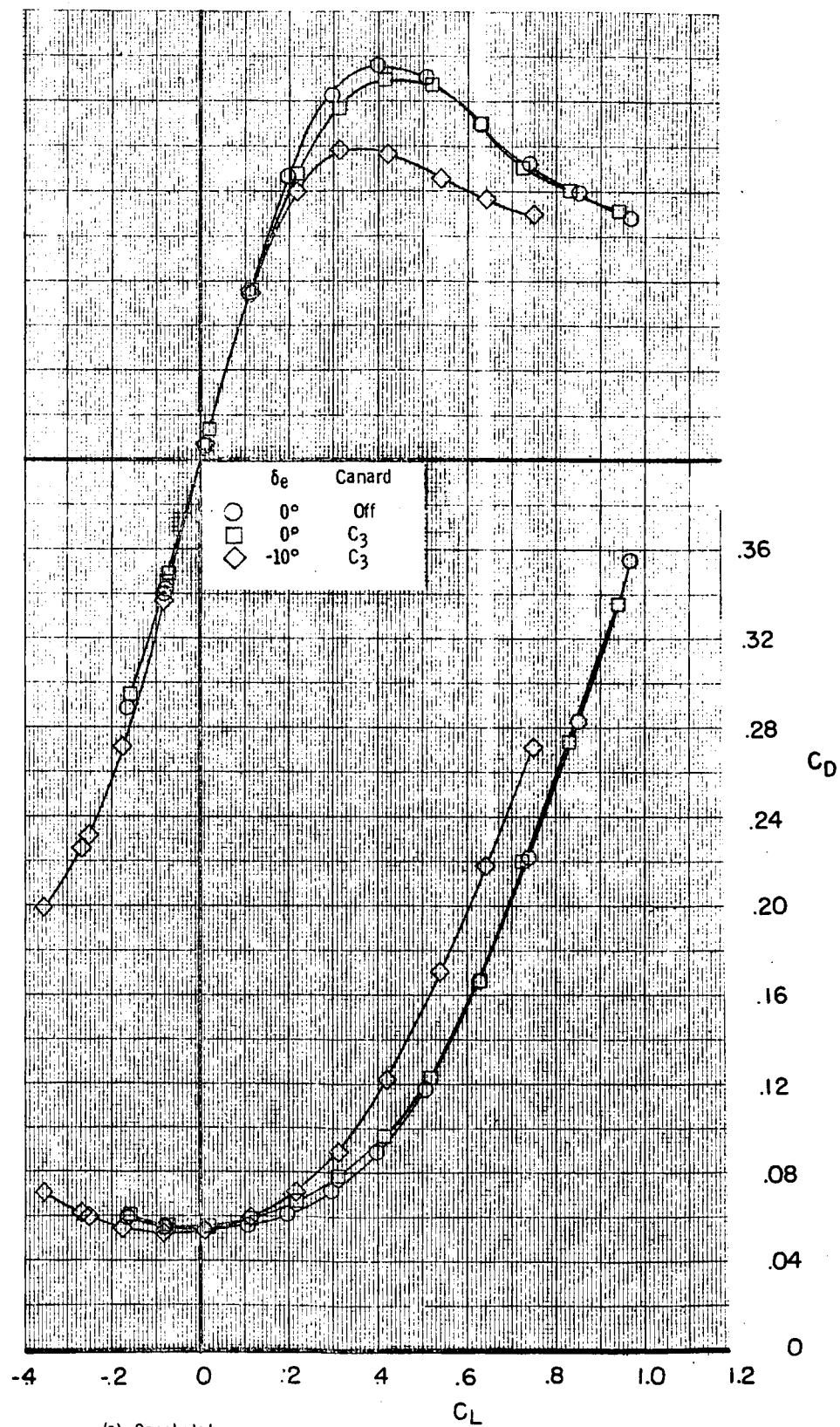
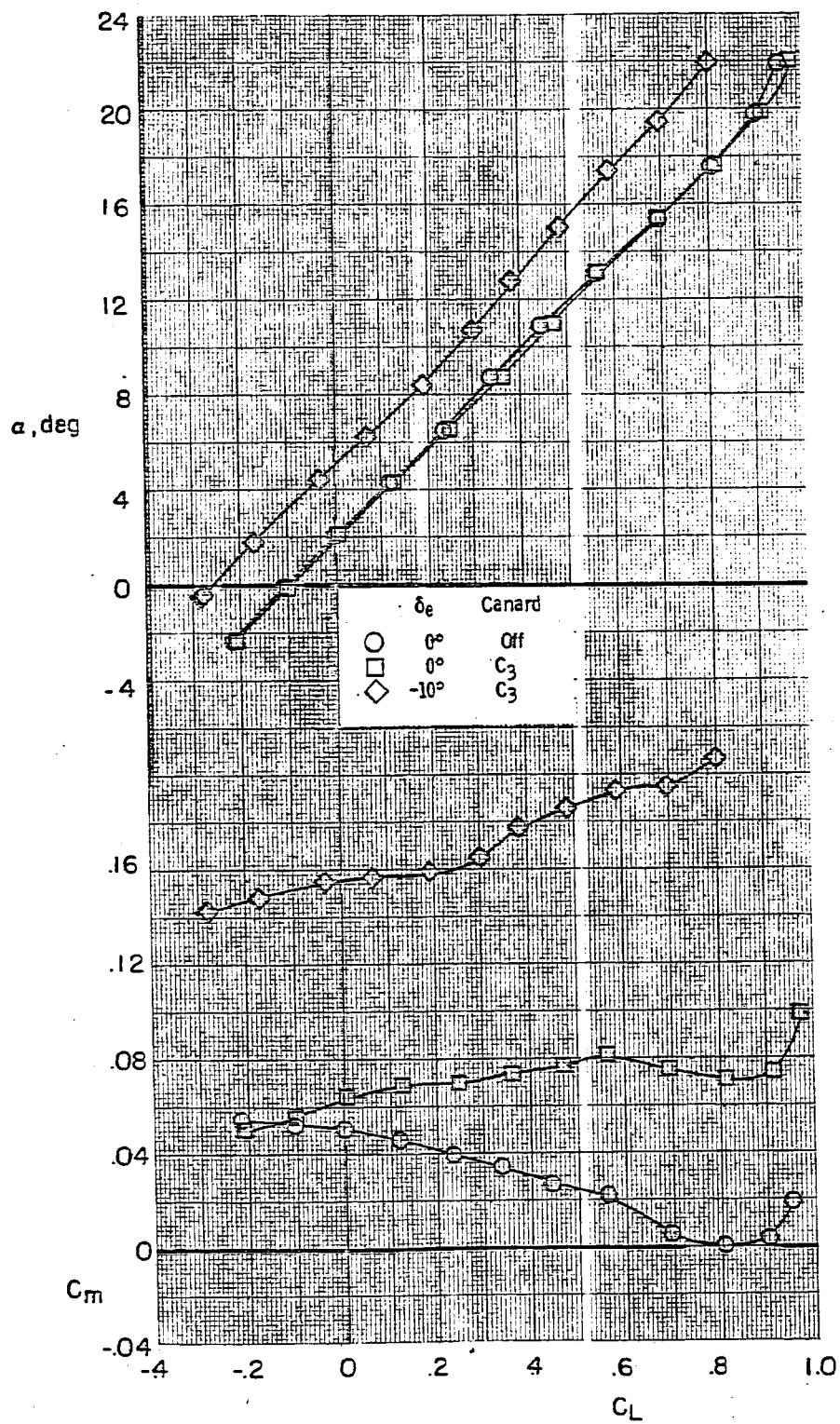


Figure 8. - Effect of canard C_3 on the longitudinal aerodynamic characteristics for configuration B1WVS₀EF. $\delta_{BF} = -11.7^\circ$; $\delta_{SB} = 0^\circ$.

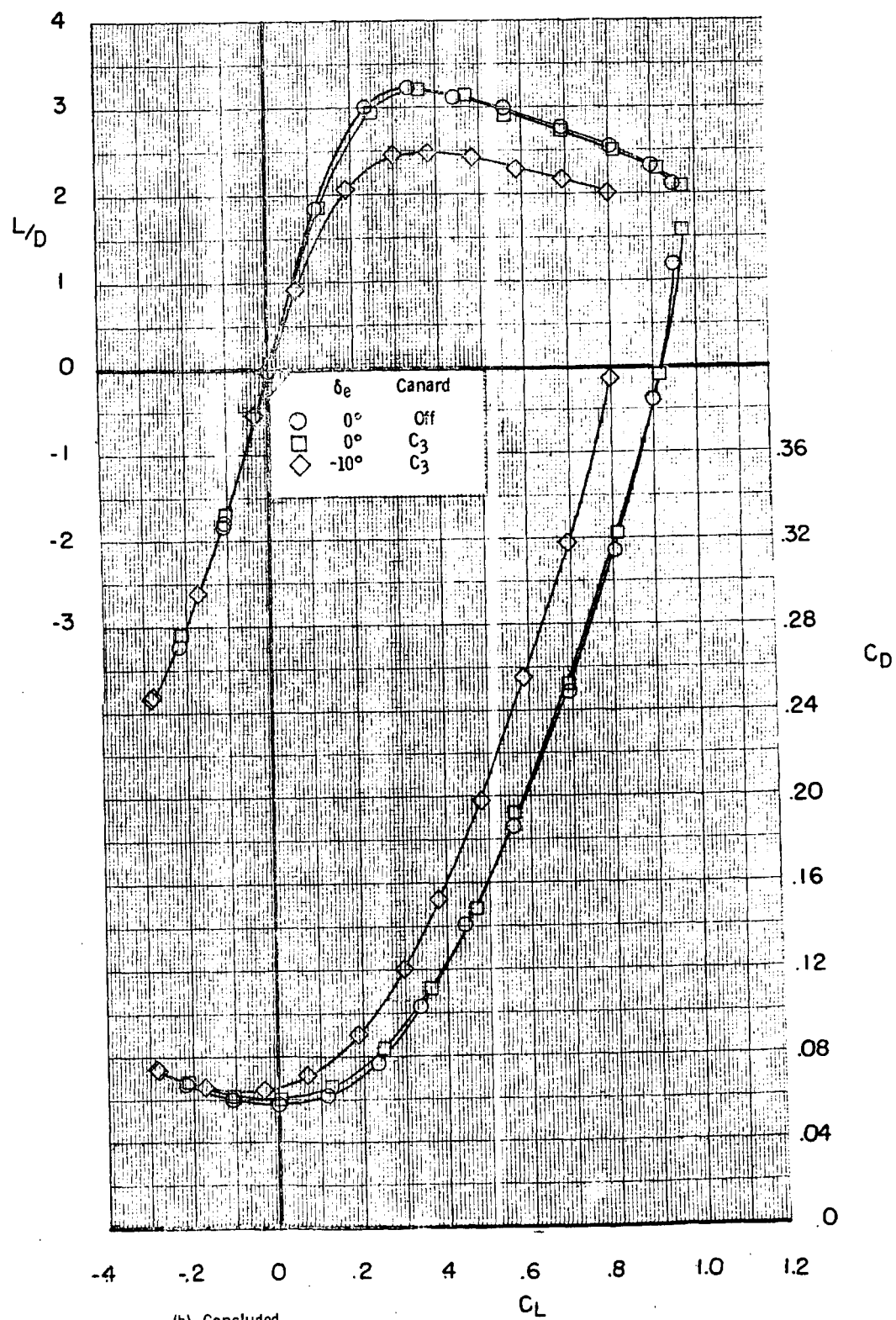


(a) Concluded
Figure 8. - Continued.

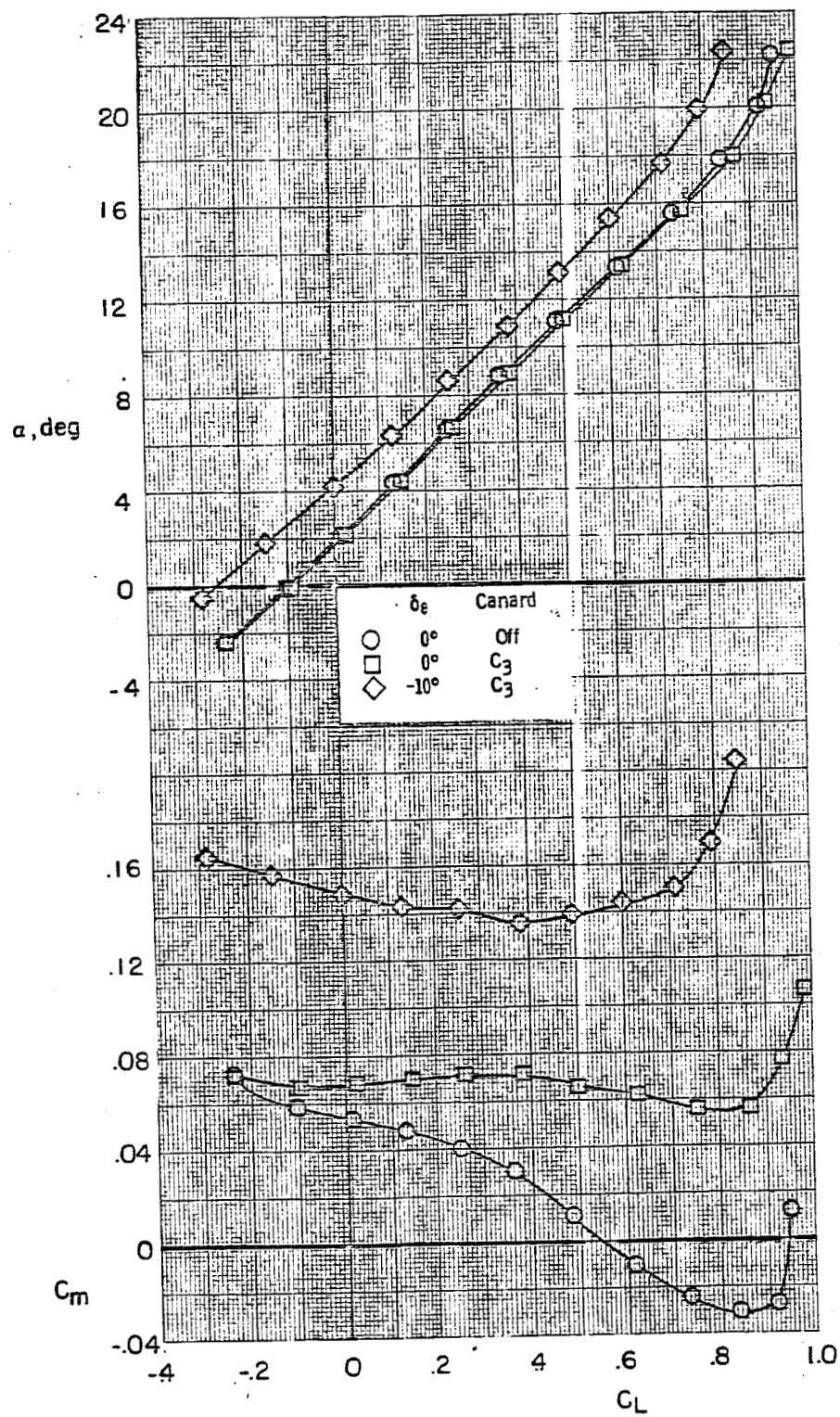


(b) $M = 0.80$

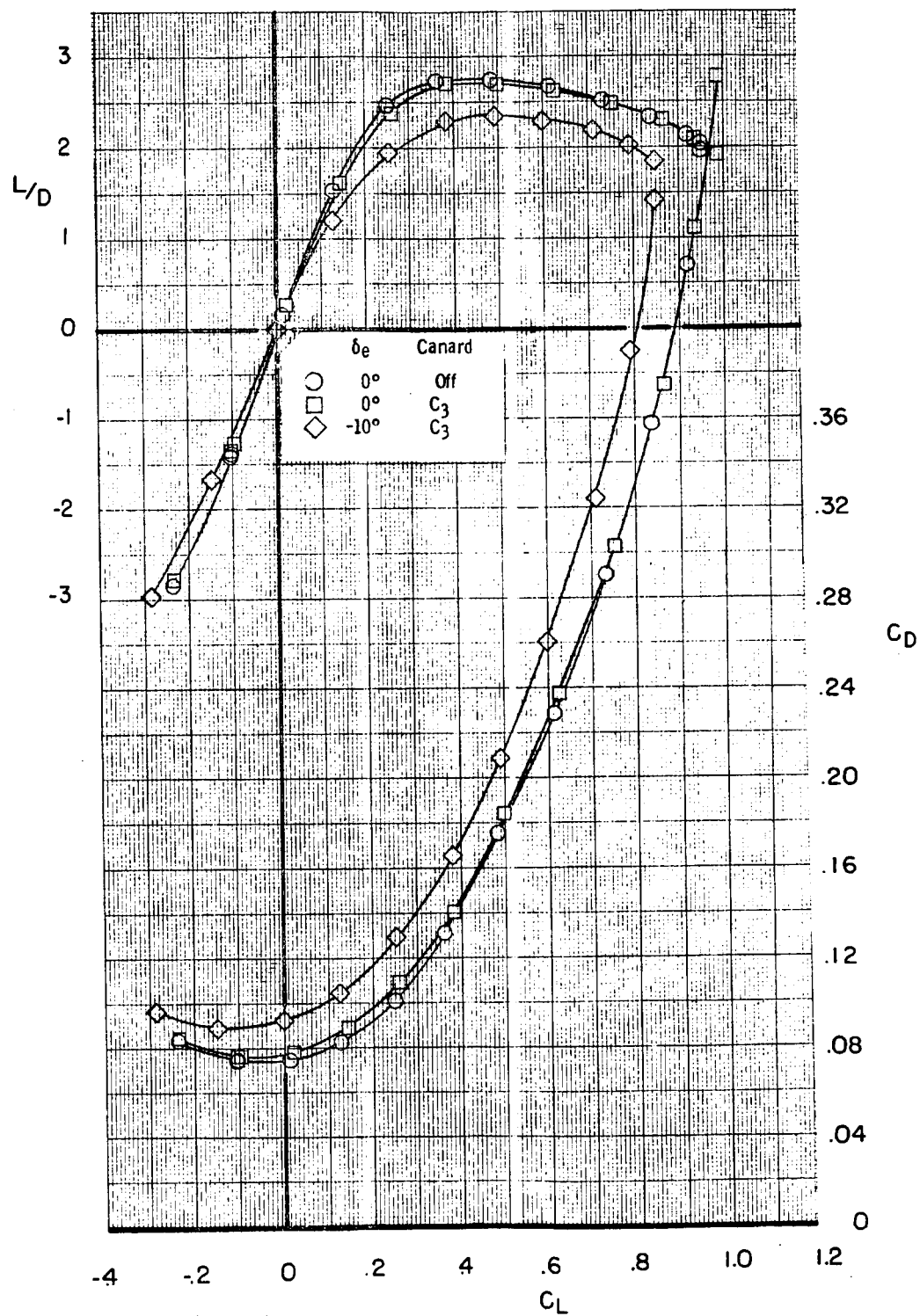
Figure 8. - Continued.



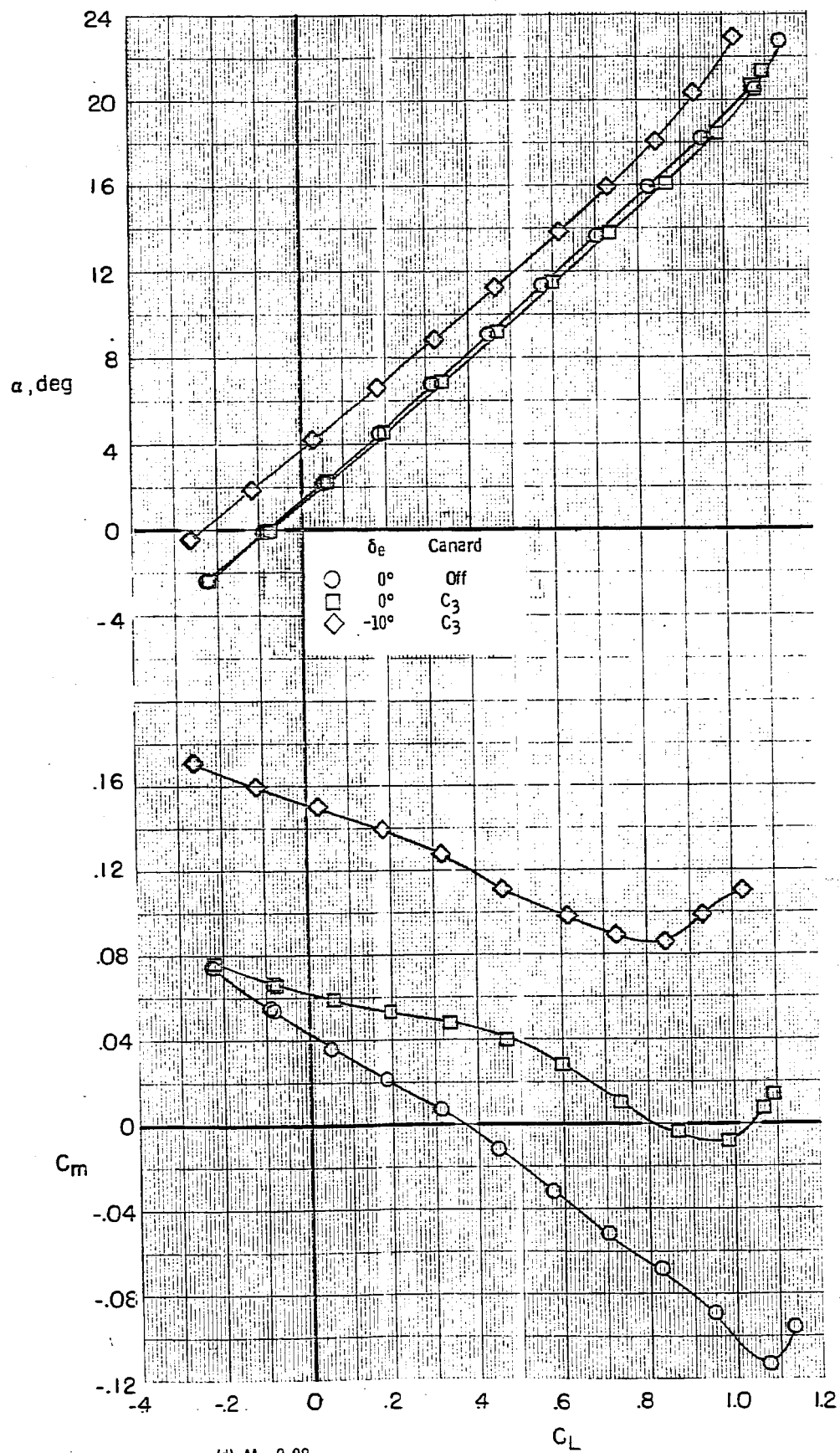
(b) Concluded
Figure 8. - Continued.



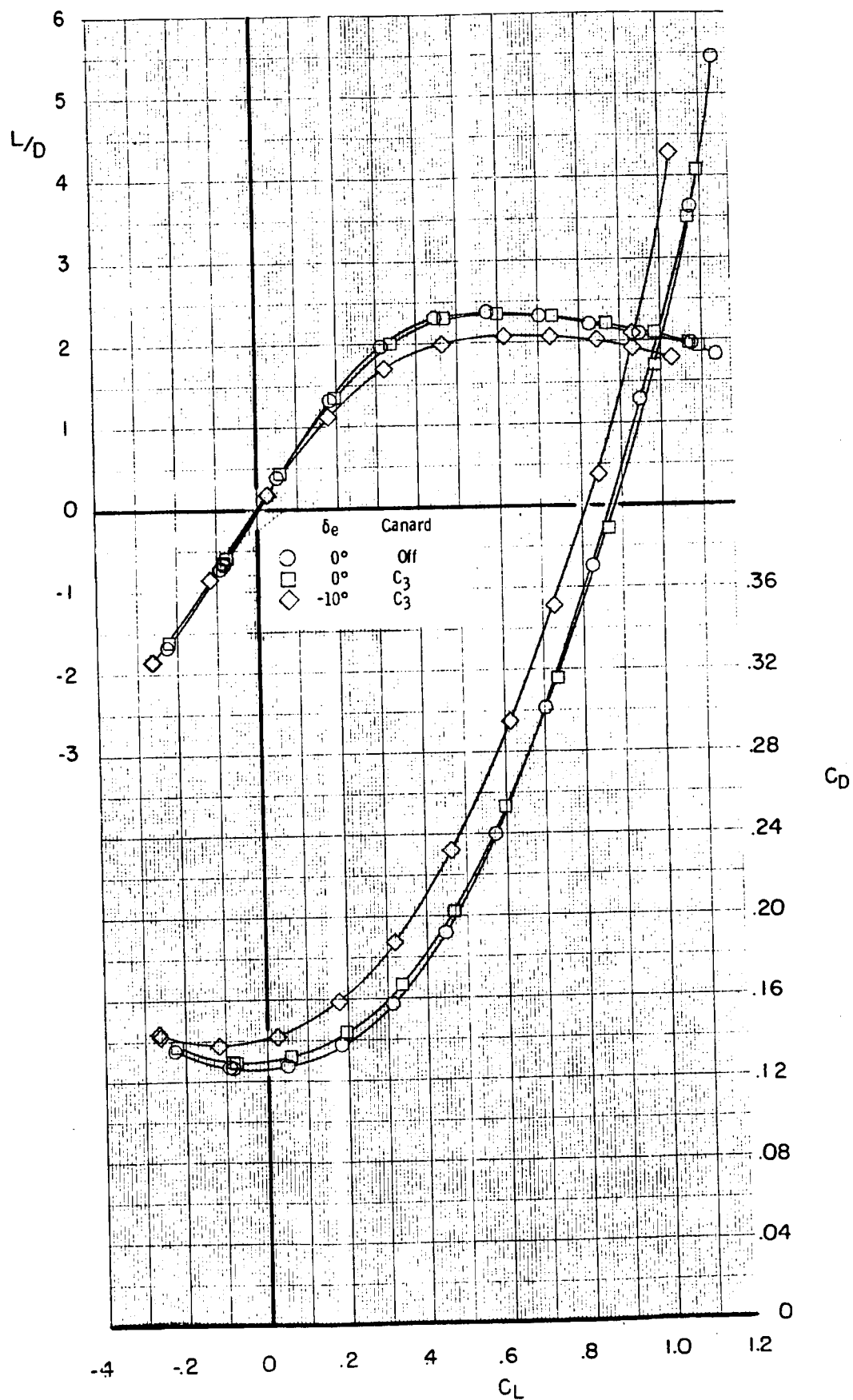
(c) $M = 0.90$
Figure 8.- Continued.



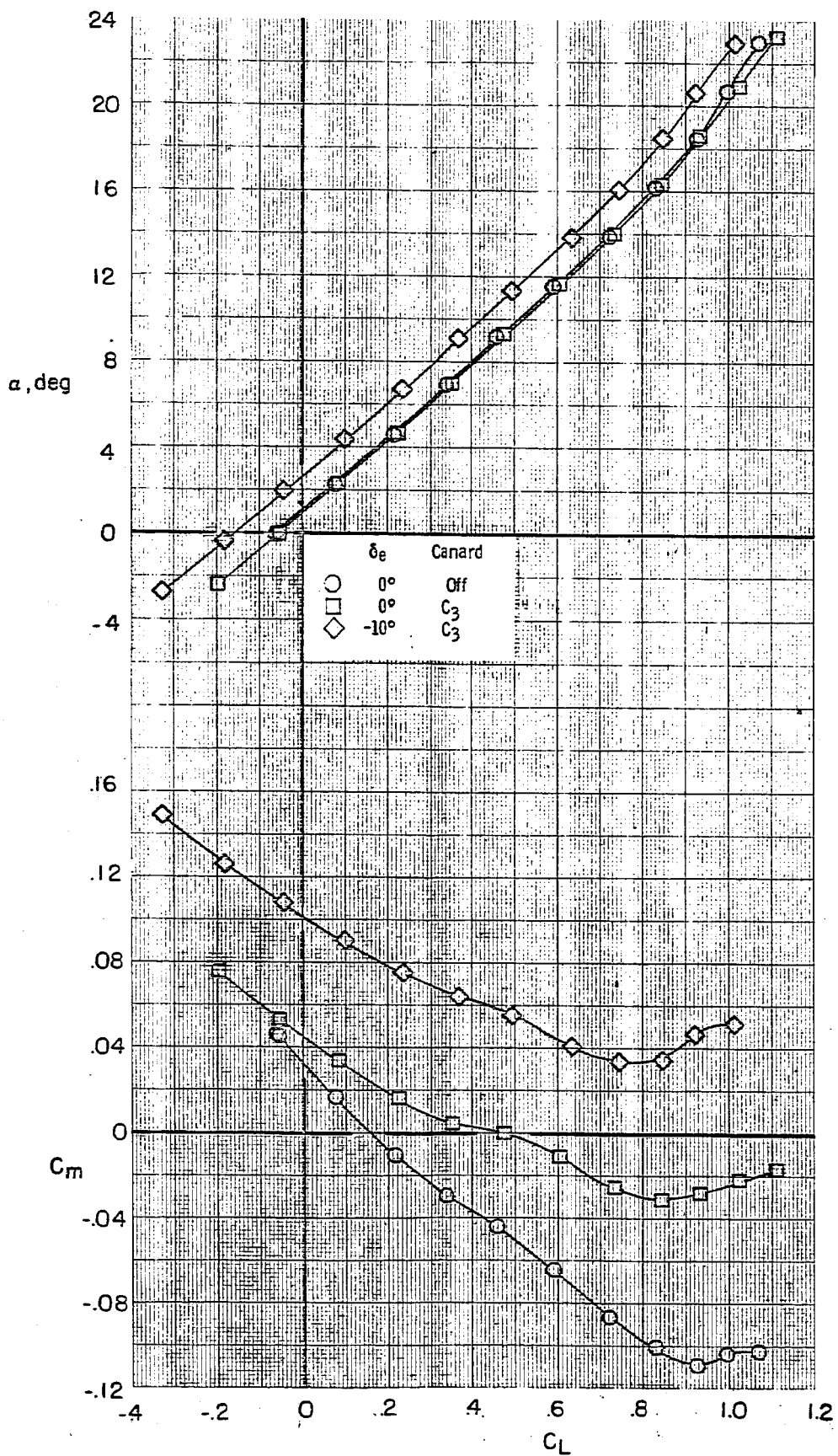
(c) Concluded
Figure 8. - Continued.



(d) $M = 0.98$
Figure 8. - Continued.

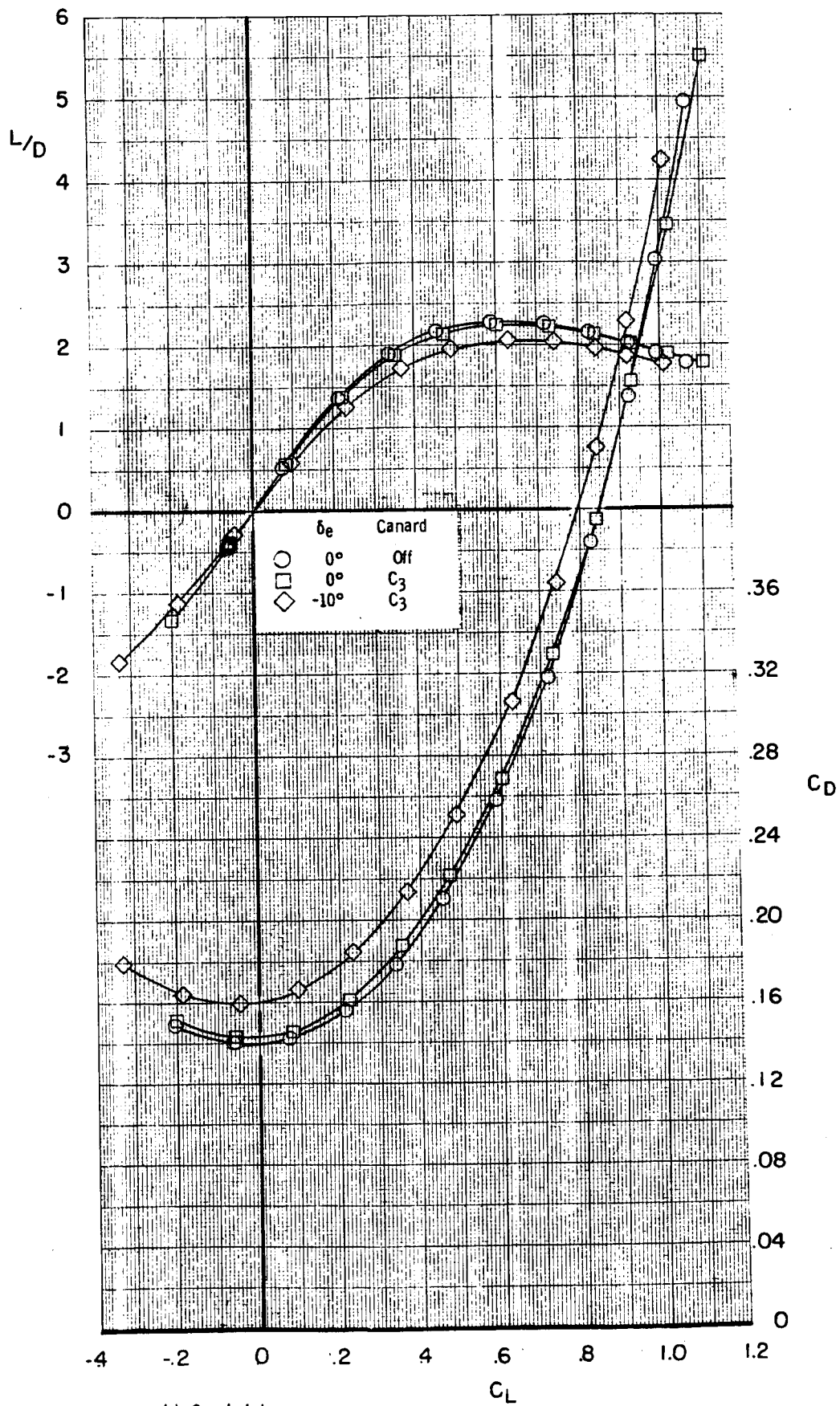


(d) Concluded
Figure 8. - Continued.



(e) $M = 1.20$

Figure 8.- Continued.



(e) Concluded
Figure 8. - Concluded.

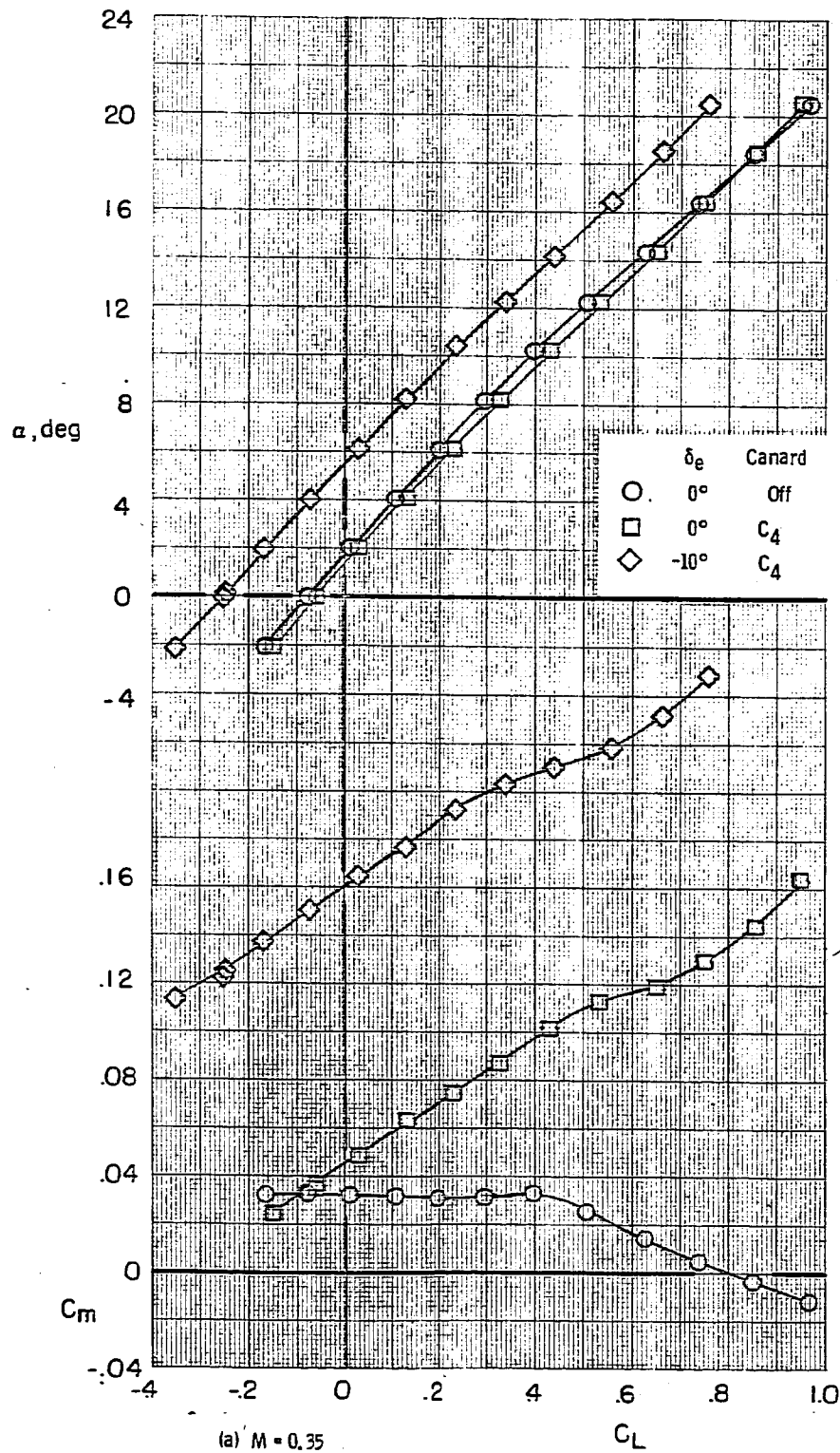
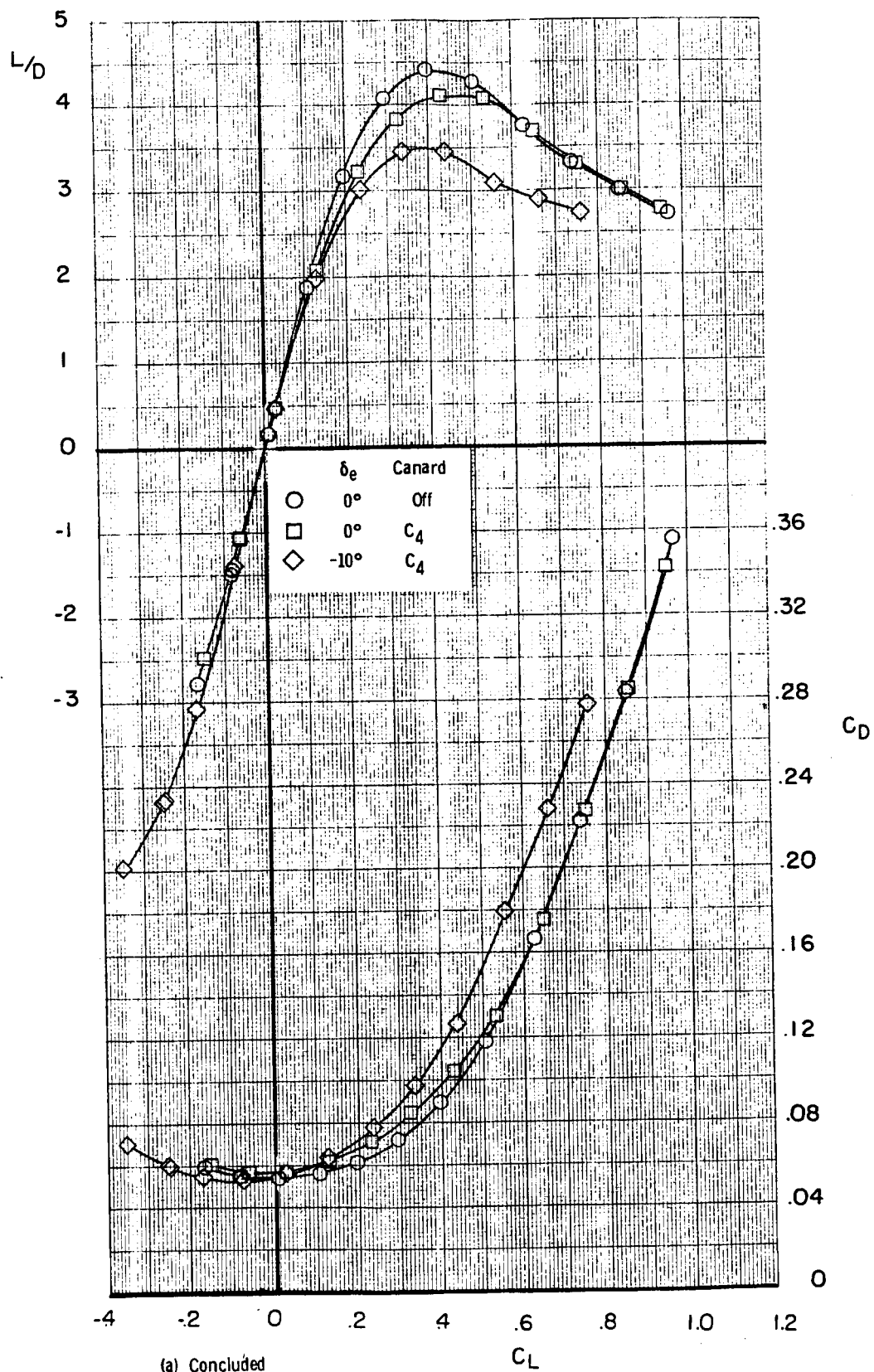
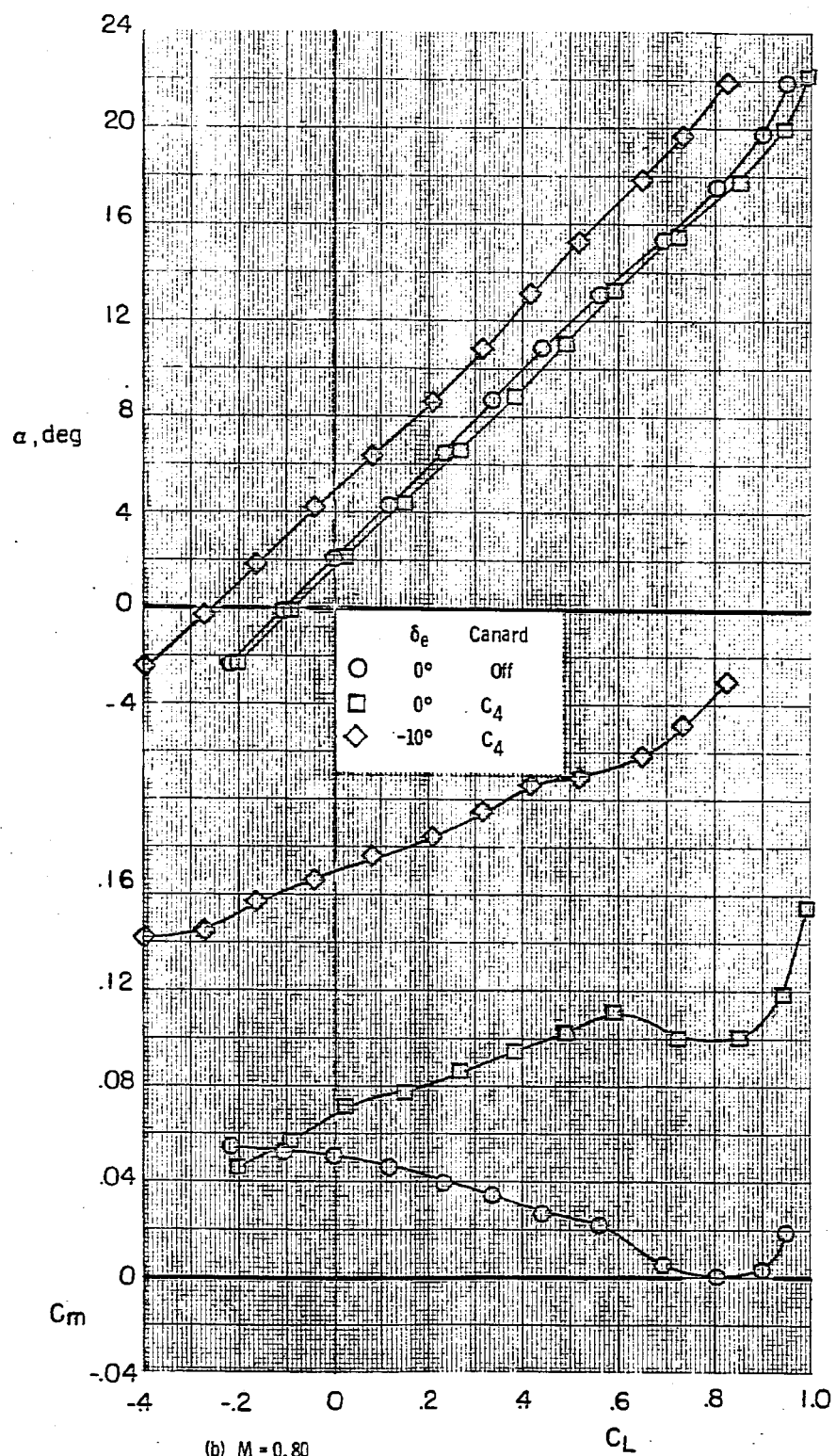


Figure 9.- Effect of canard C_4 on the longitudinal aerodynamic characteristics

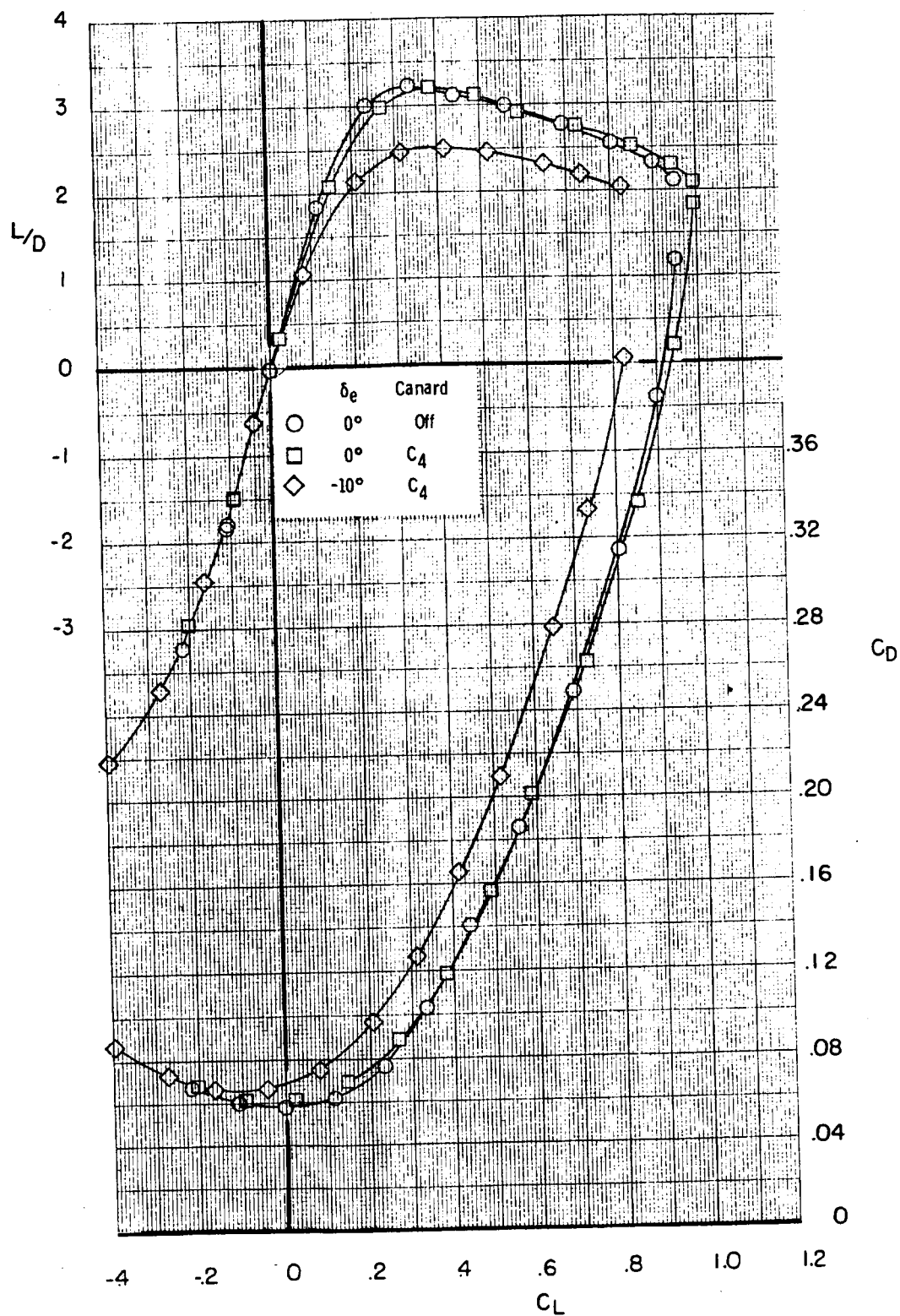
for configuration B_1WVS_0EF . $\delta_{BF} = -11.7^\circ$; $\delta_{SB} = 0^\circ$.



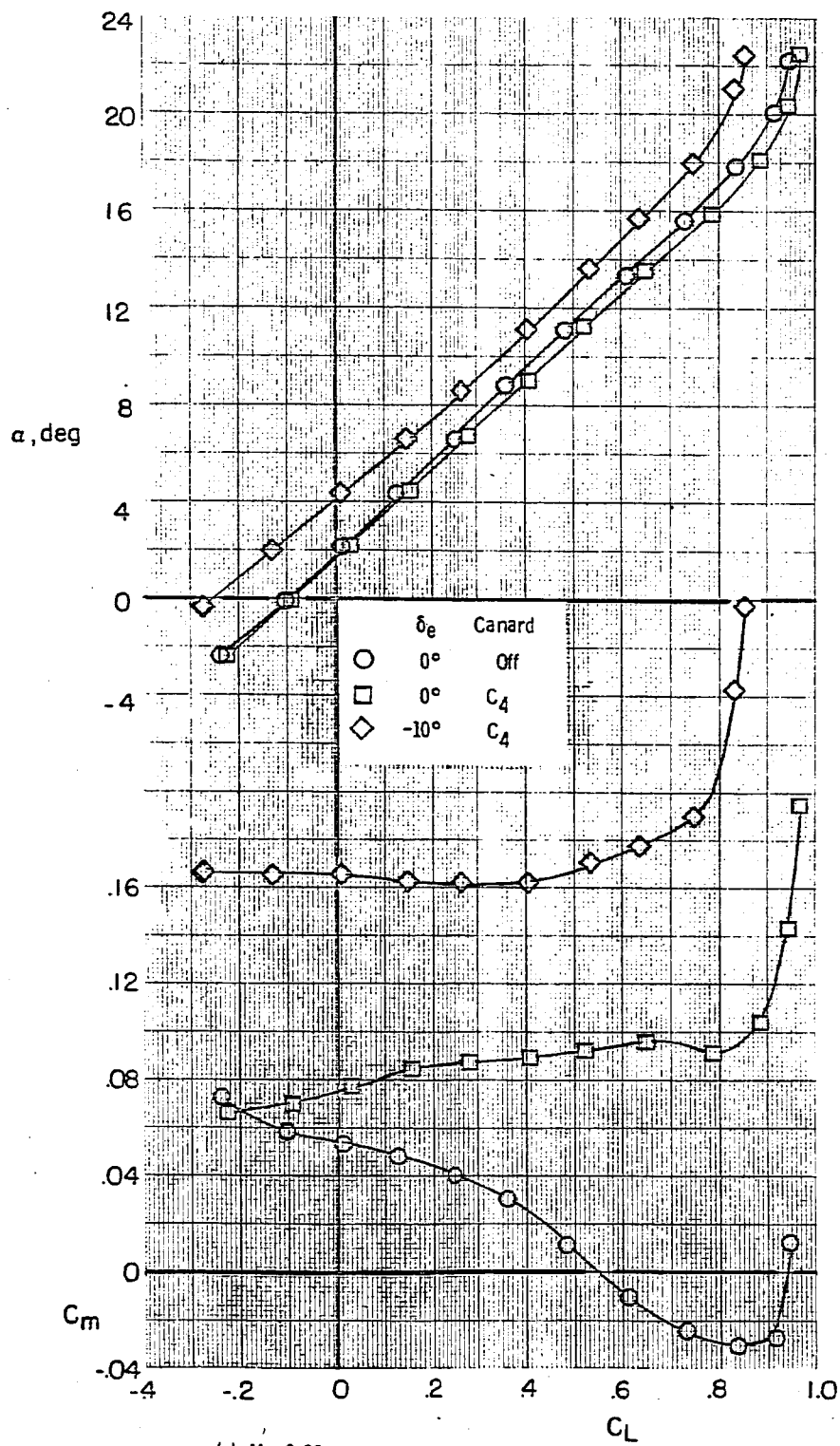


(b) $M = 0.80$

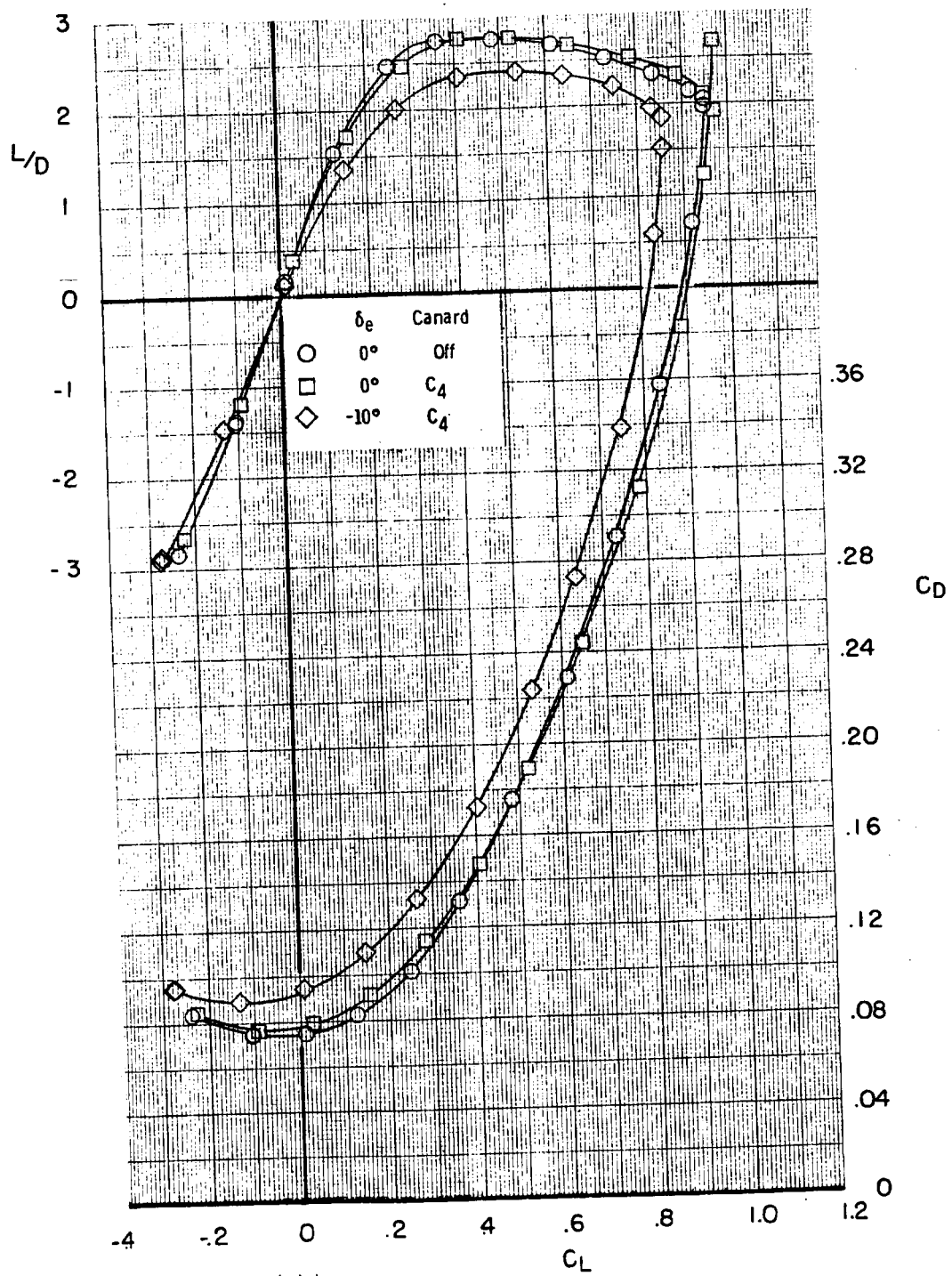
Figure 9. - Continued.



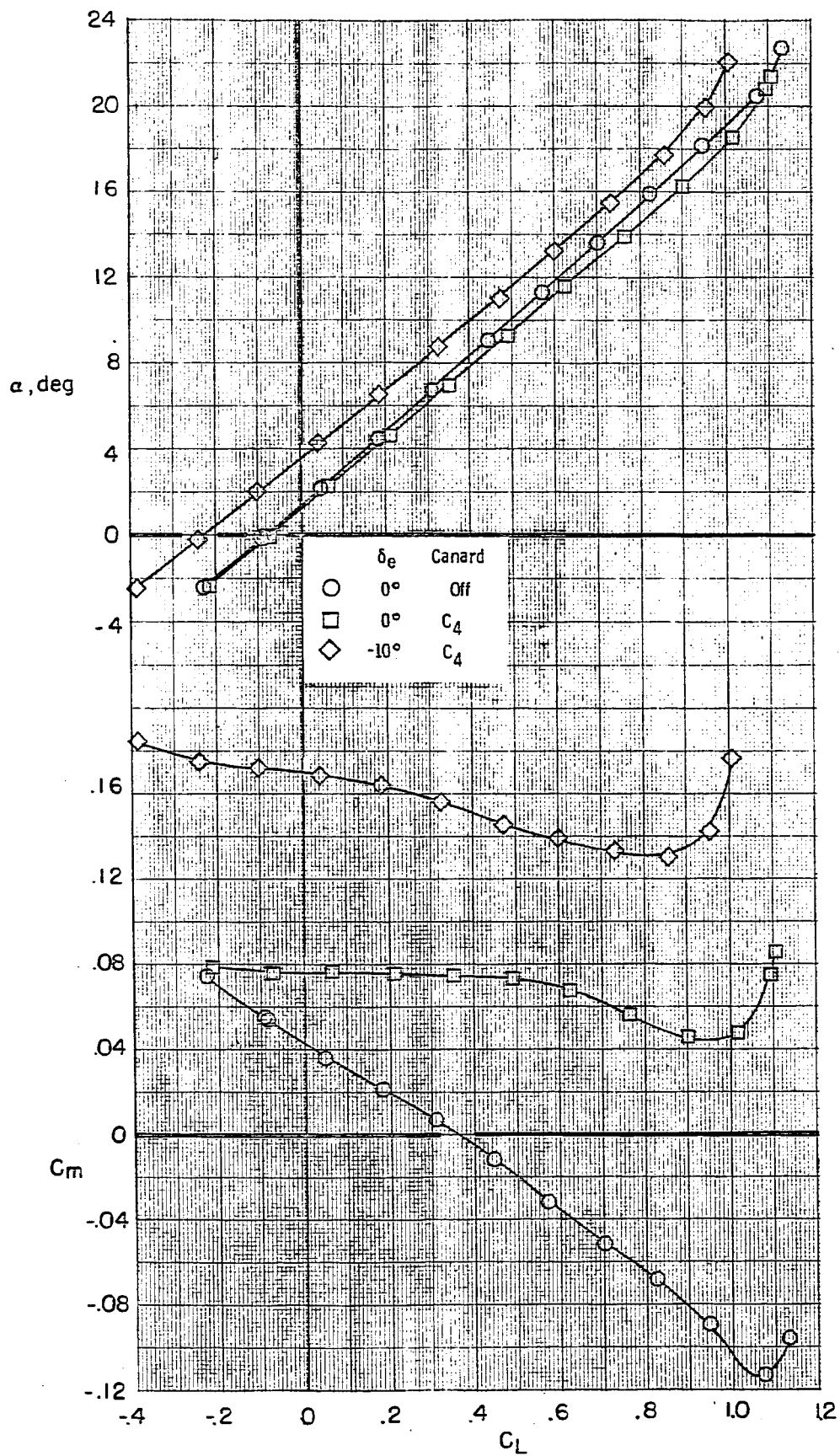
(b) Concluded
Figure 9.- Continued.



(c) $M = 0.90$
Figure 9.- Continued.

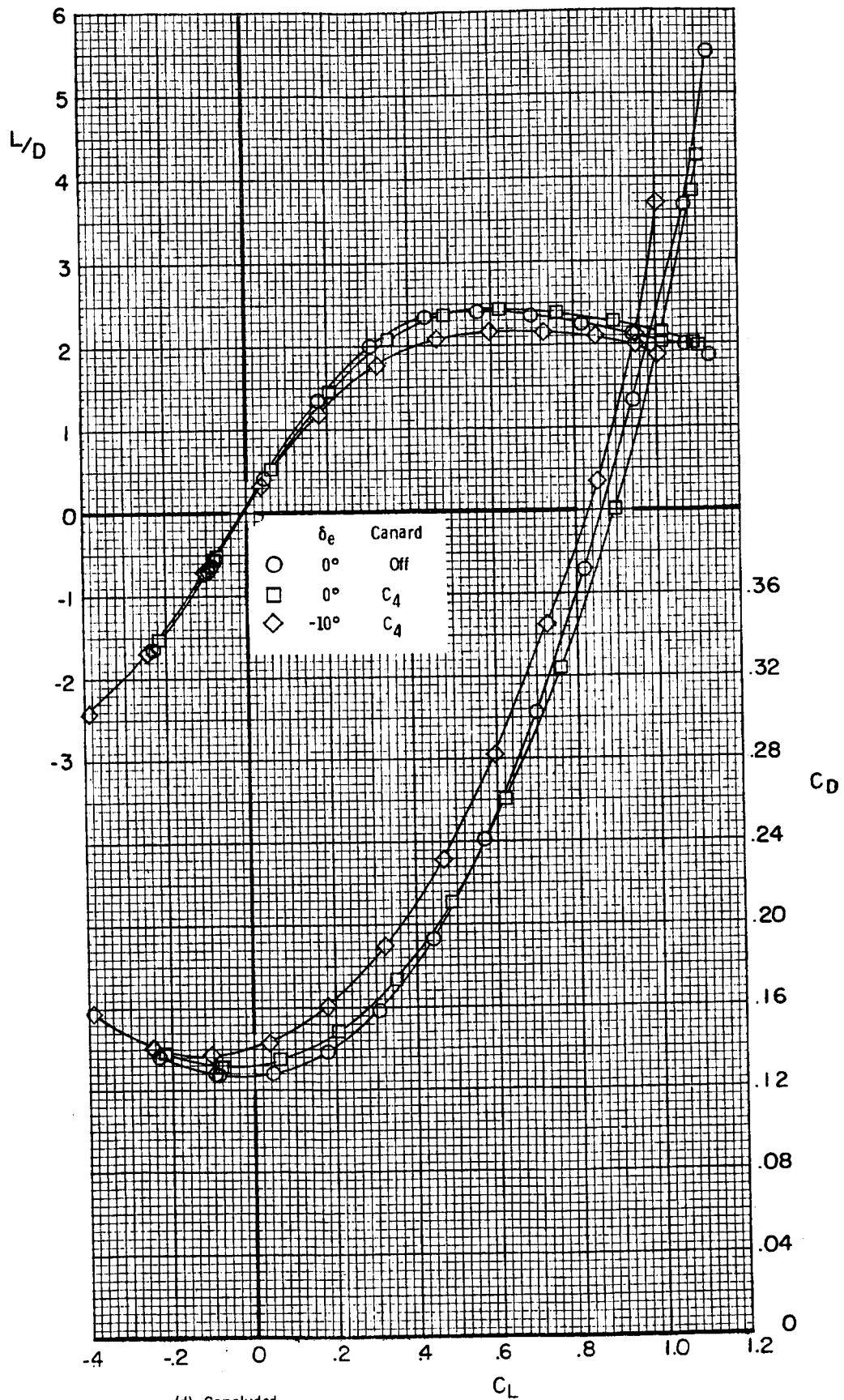


(c) Concluded
Figure 9.- Continued.

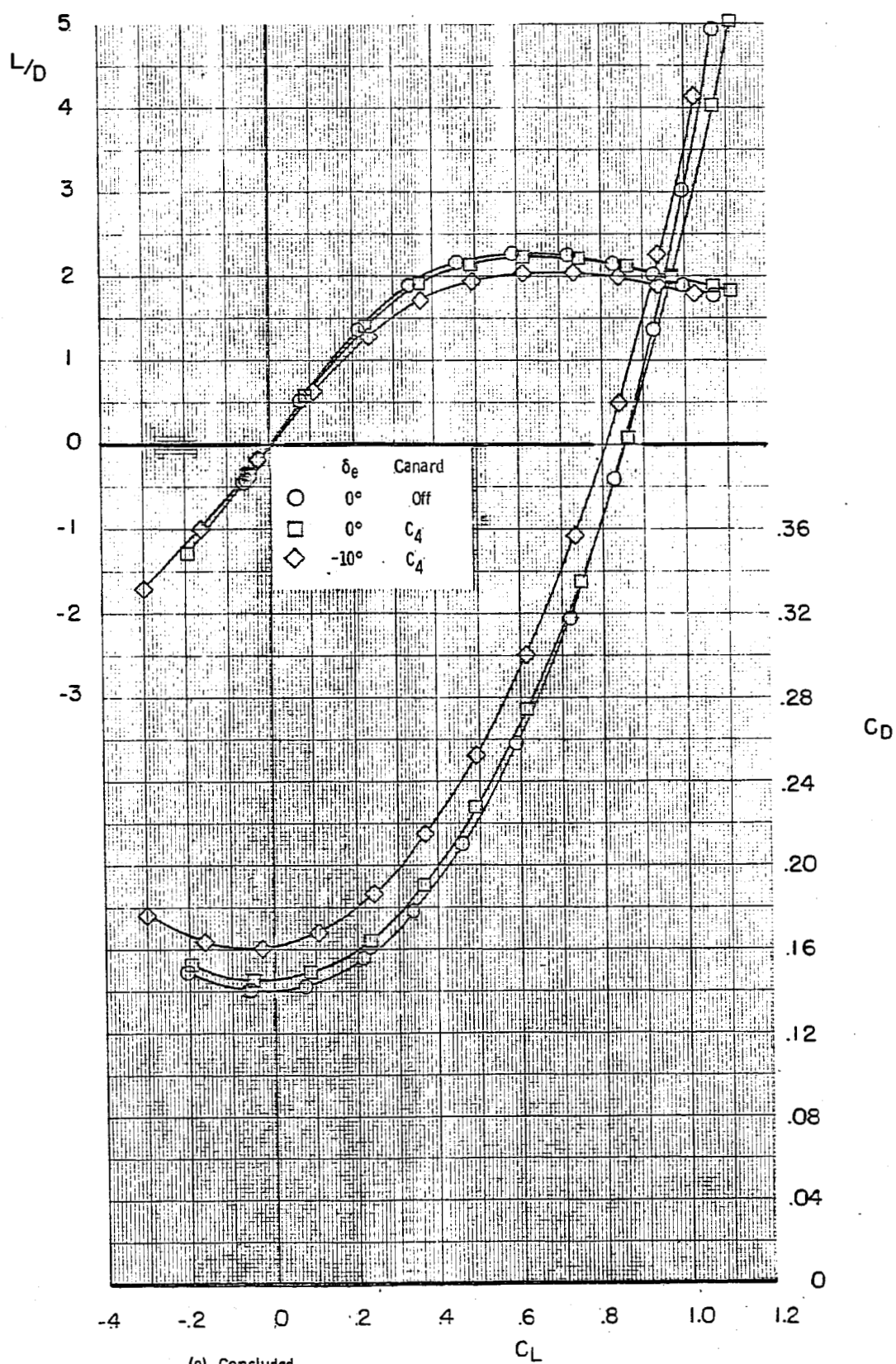


(d) $M = 0.98$

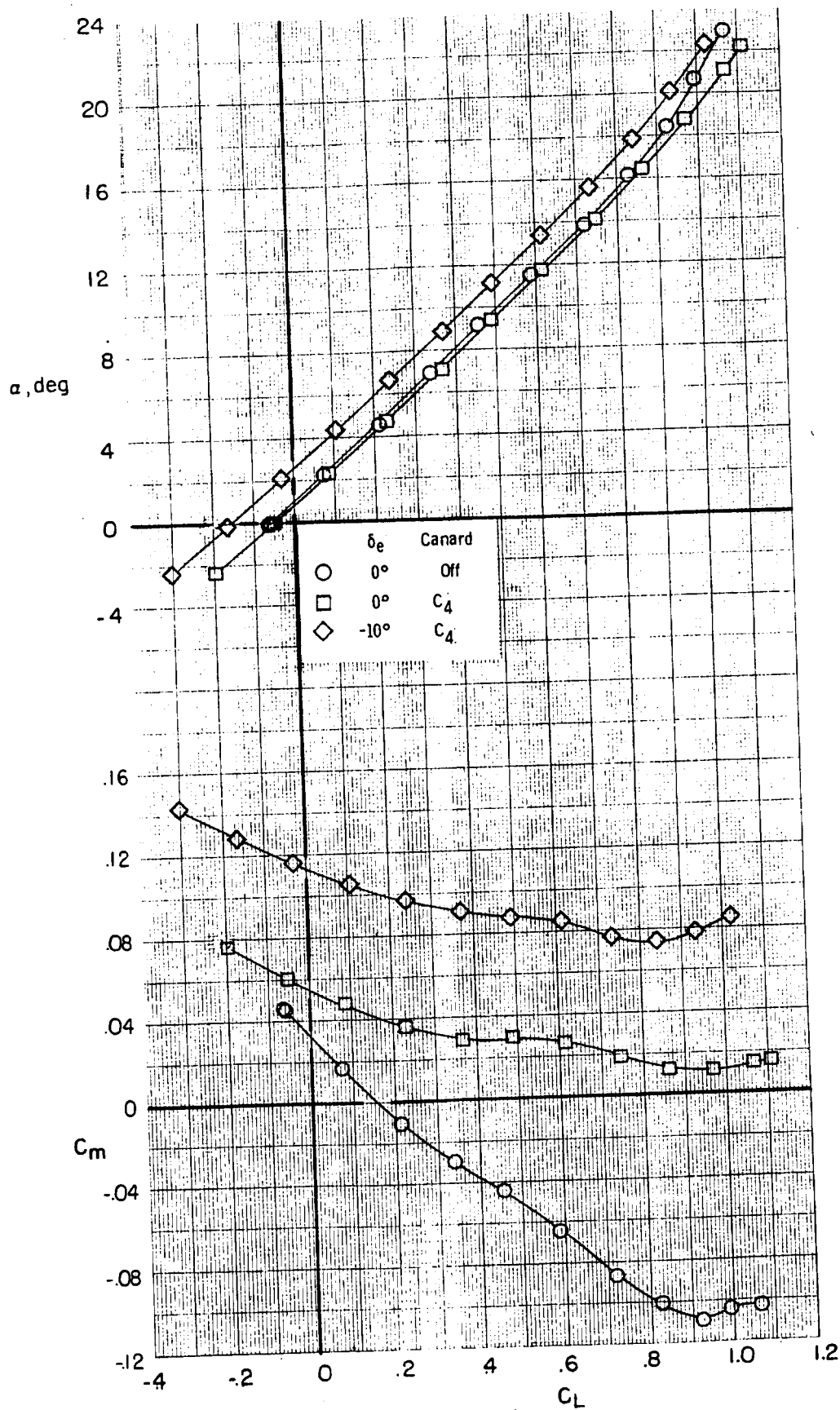
Figure 9. - Continued.



(d) Concluded
Figure 9.- Continued.



(e) Concluded
Figure 9.- Concluded;



(e) $M = 1.20$

Figure 9. - Continued.

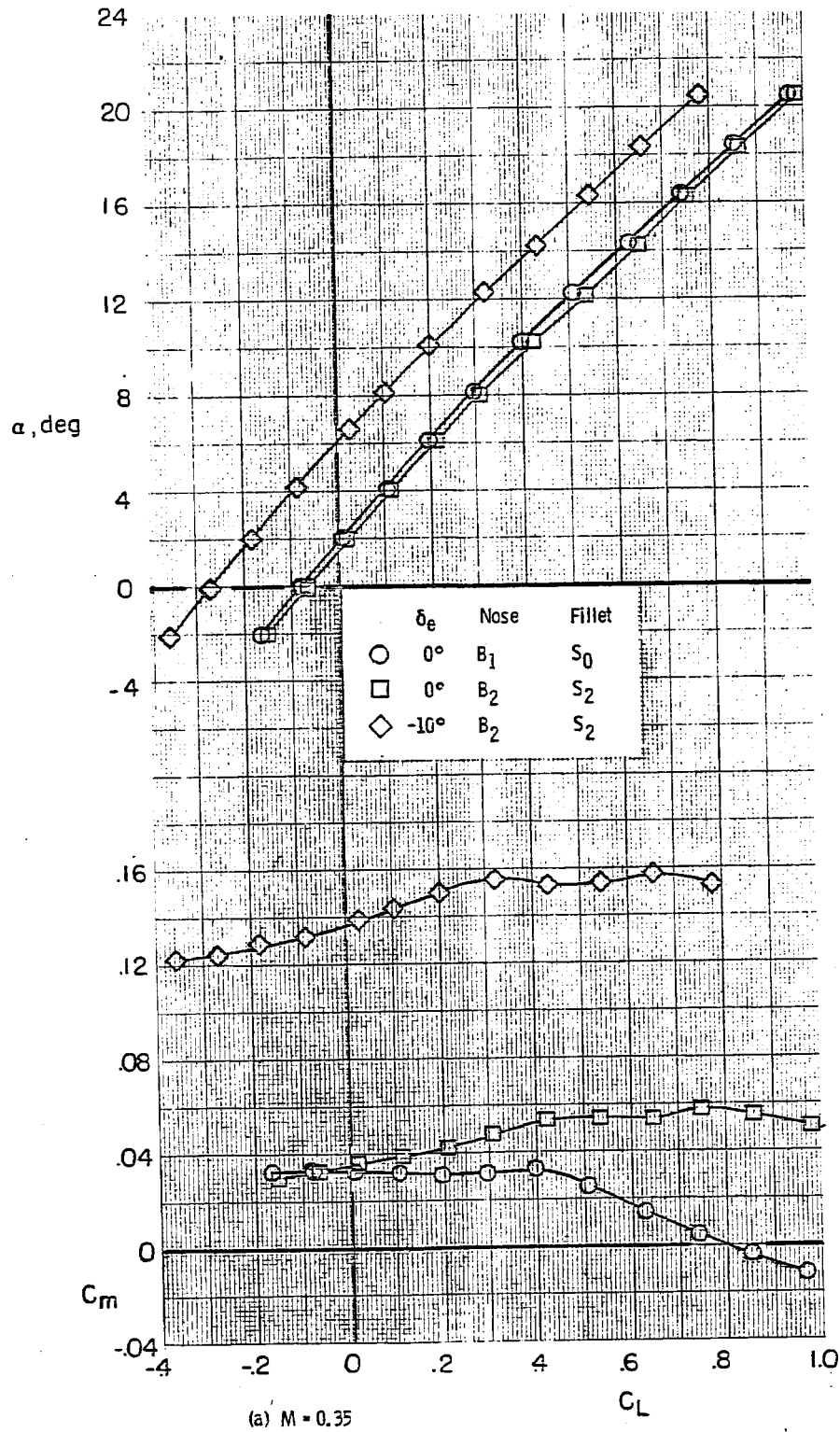
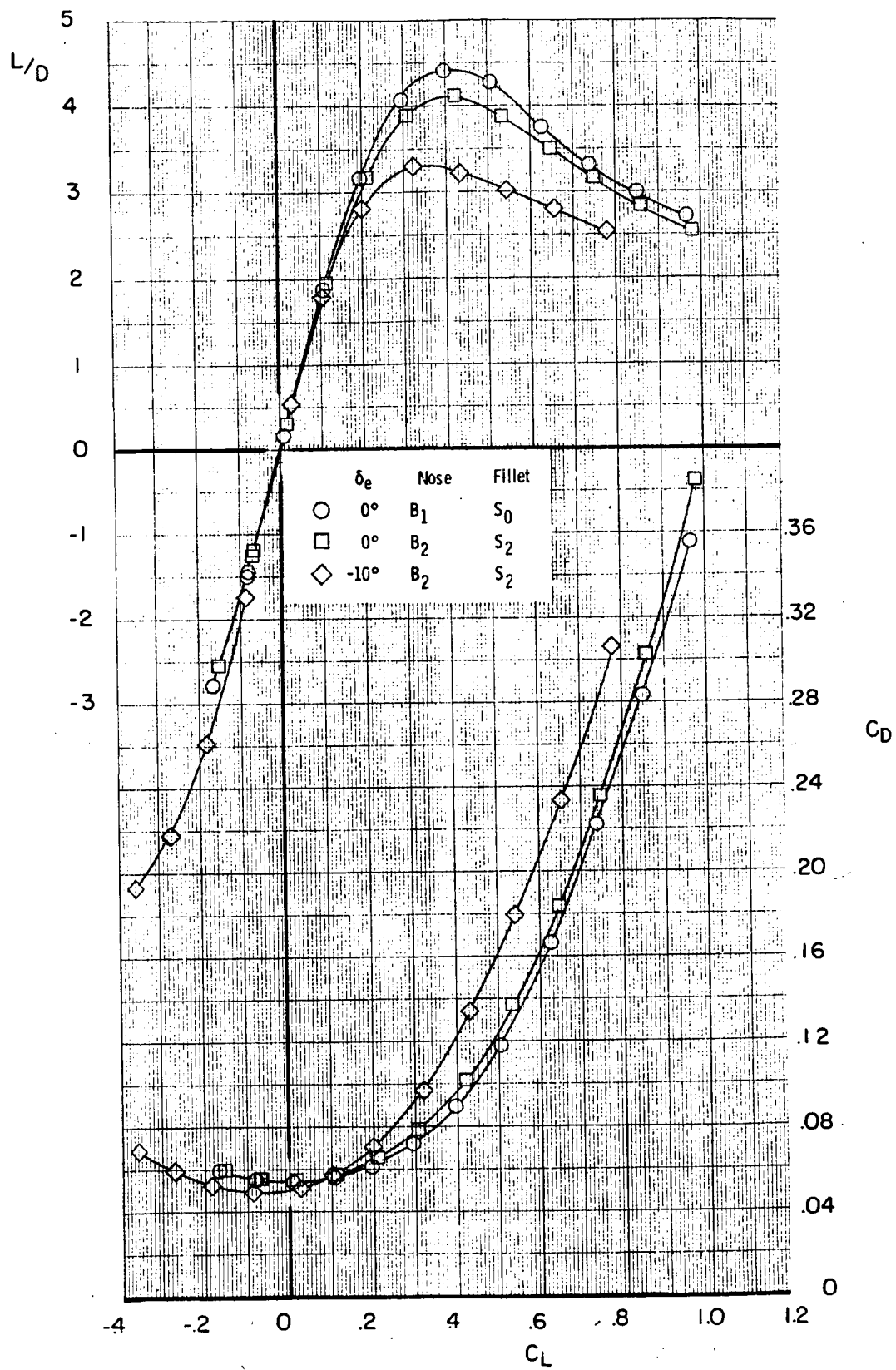


Figure 10. - Effect of fuselage forebody B_2 in combination with planform fillet S_2 on the longitudinal aerodynamic characteristics for B_1WVS_0EF . $\delta_{BF} = -11.7^\circ$; $\delta_{SB} = 0^\circ$.



(a) Concluded
Figure 10. - Continued.

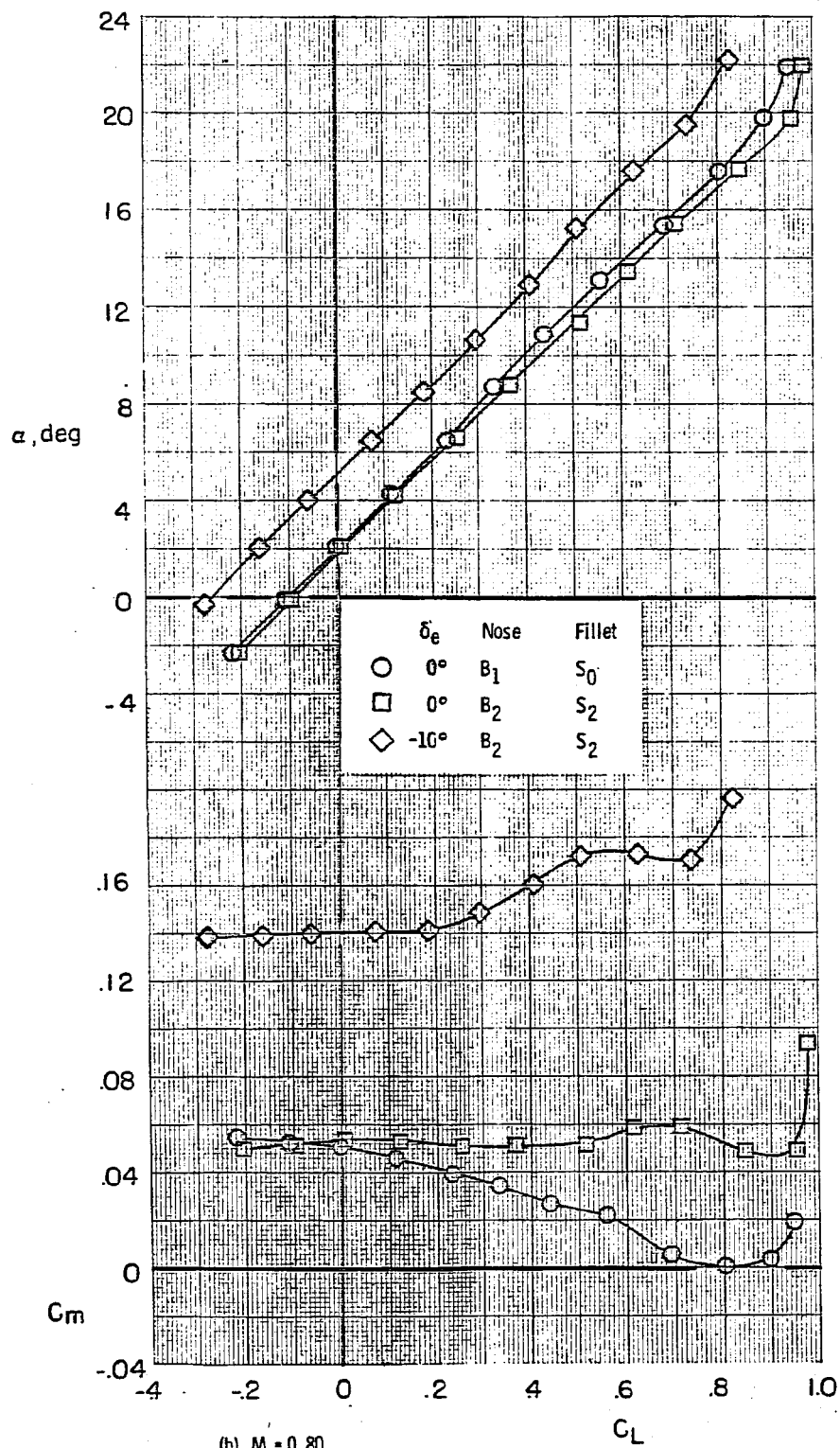
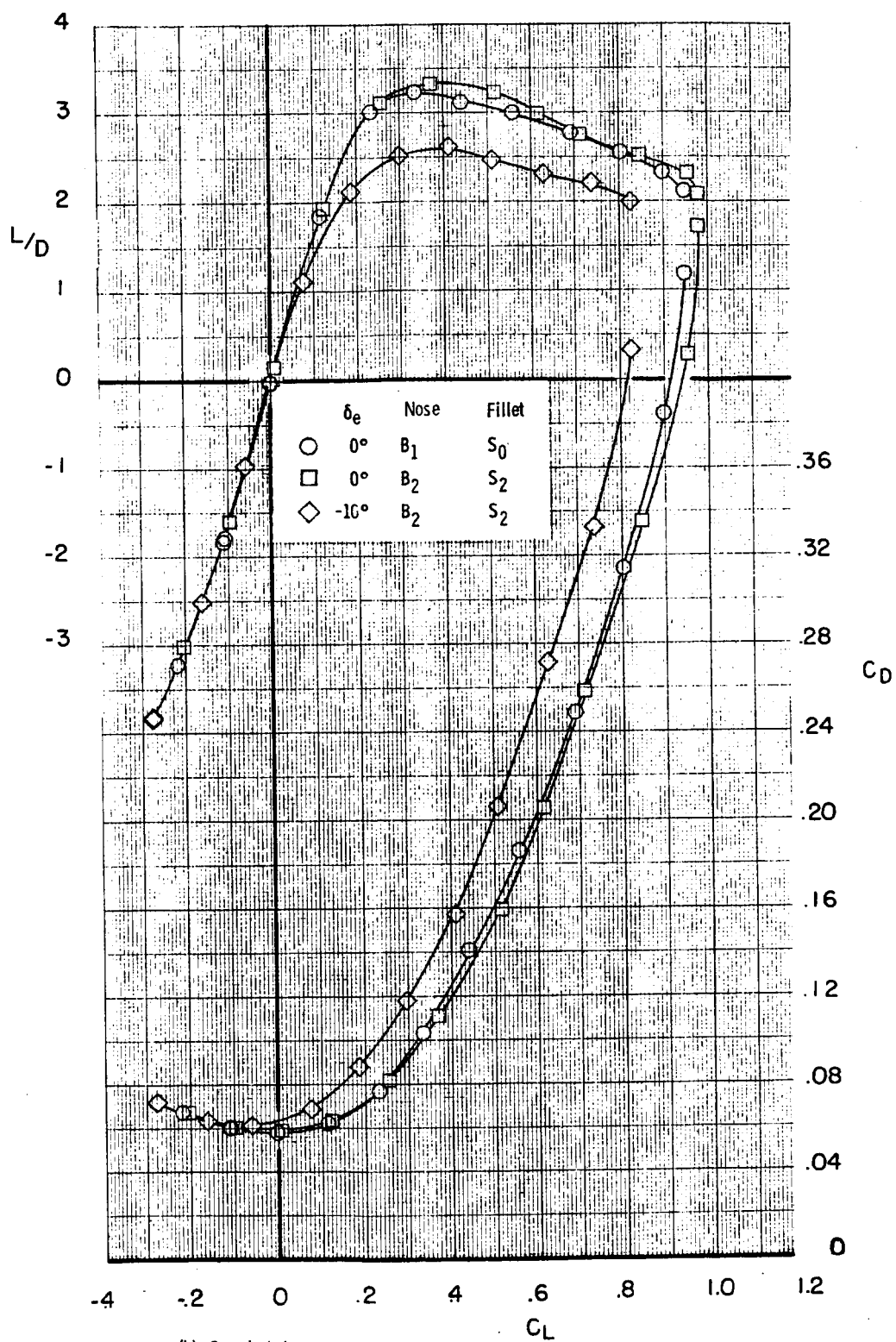


Figure 10. - Continued.



(b) Concluded
Figure 10. - Continued.

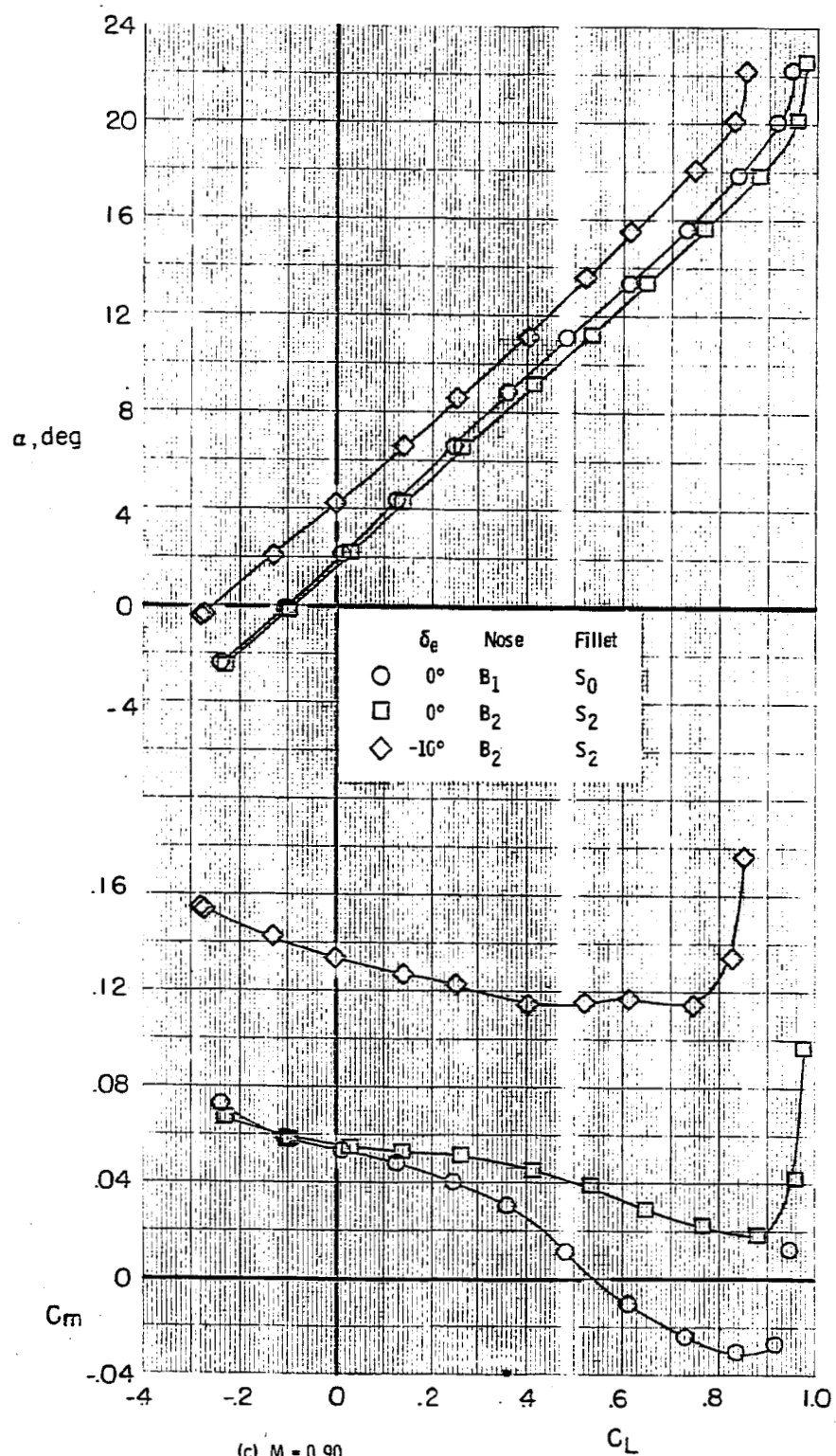
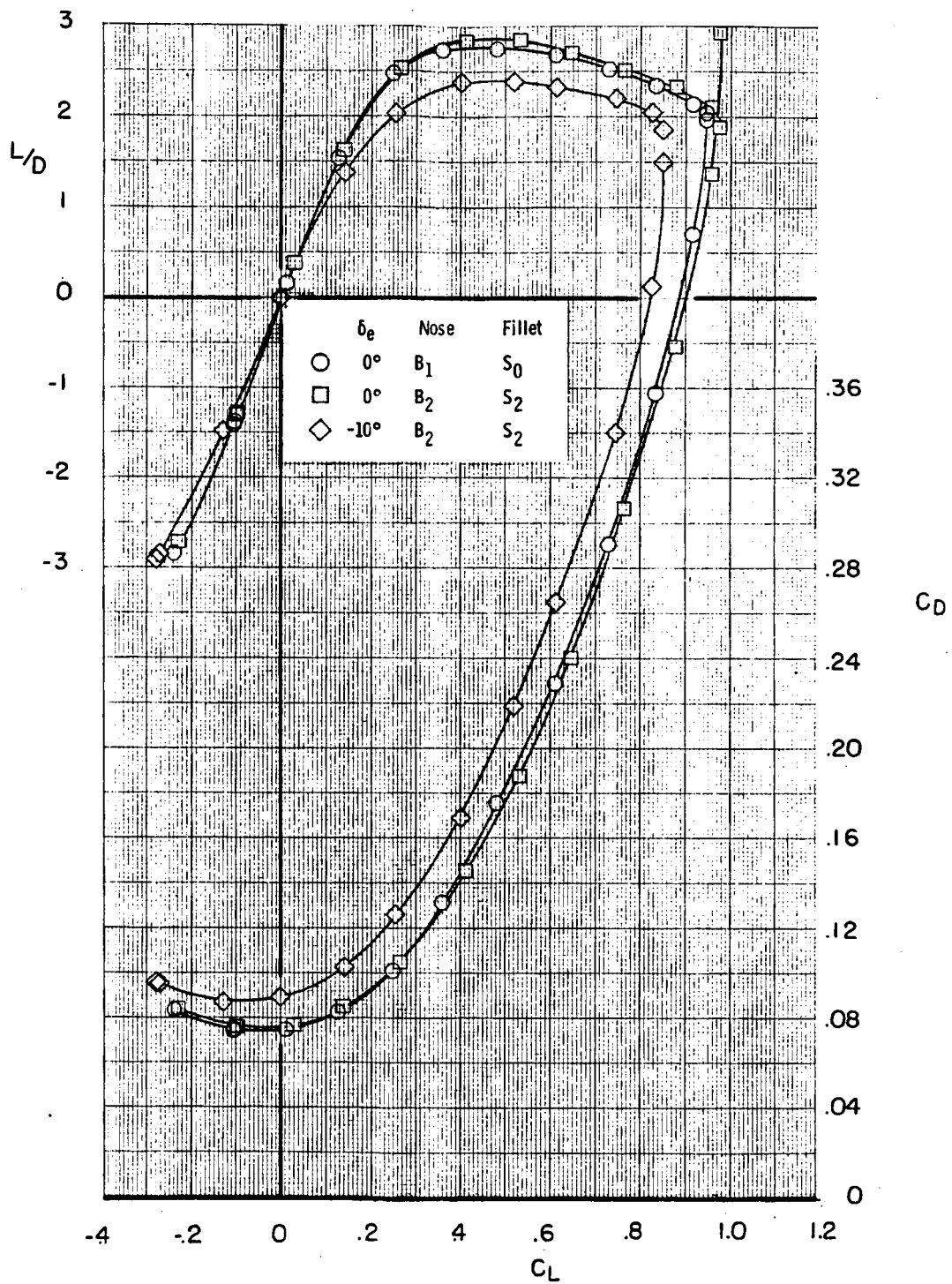


Figure 10. - Continued.



(c) Concluded
Figure 10. - Continued.

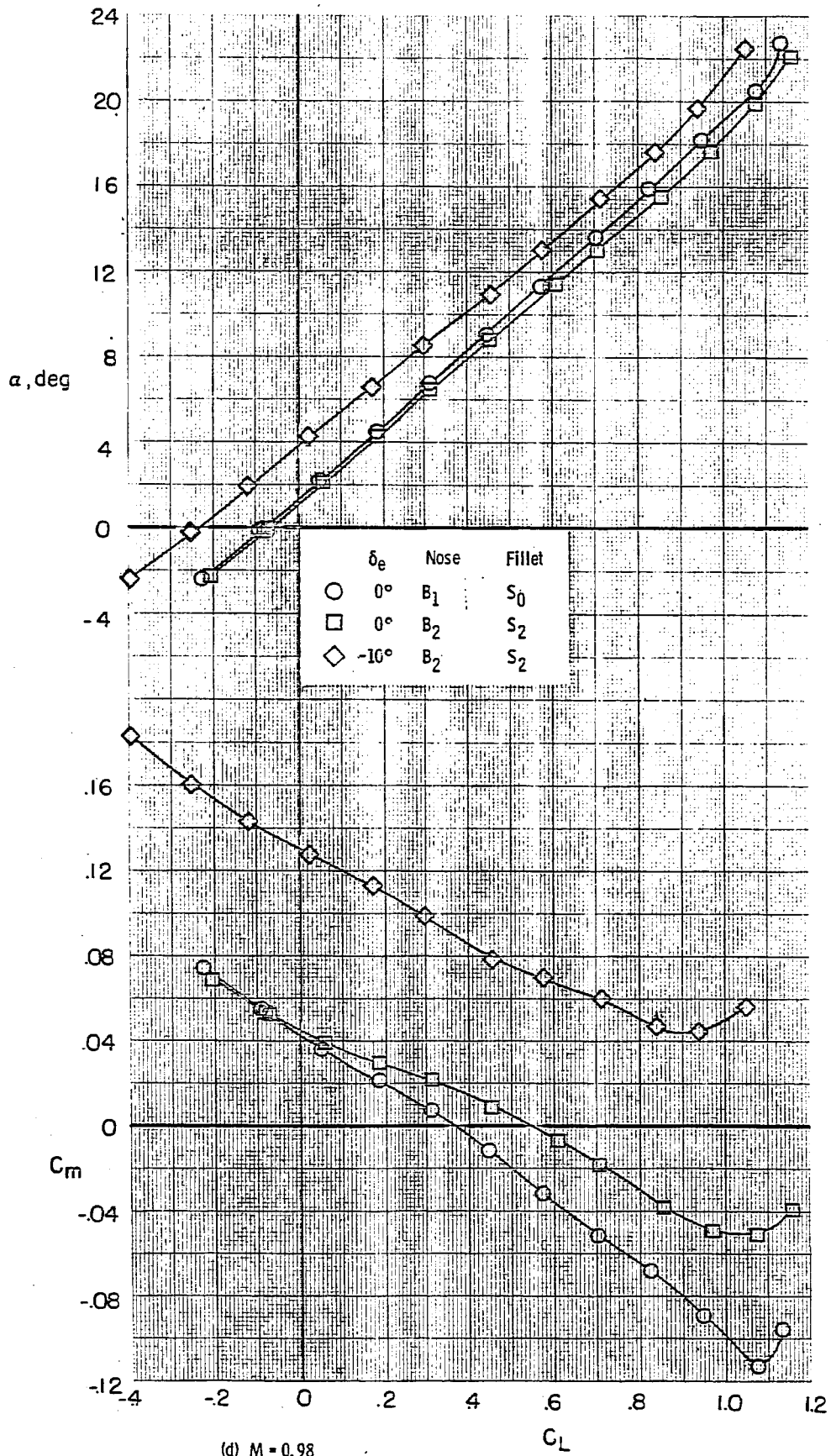
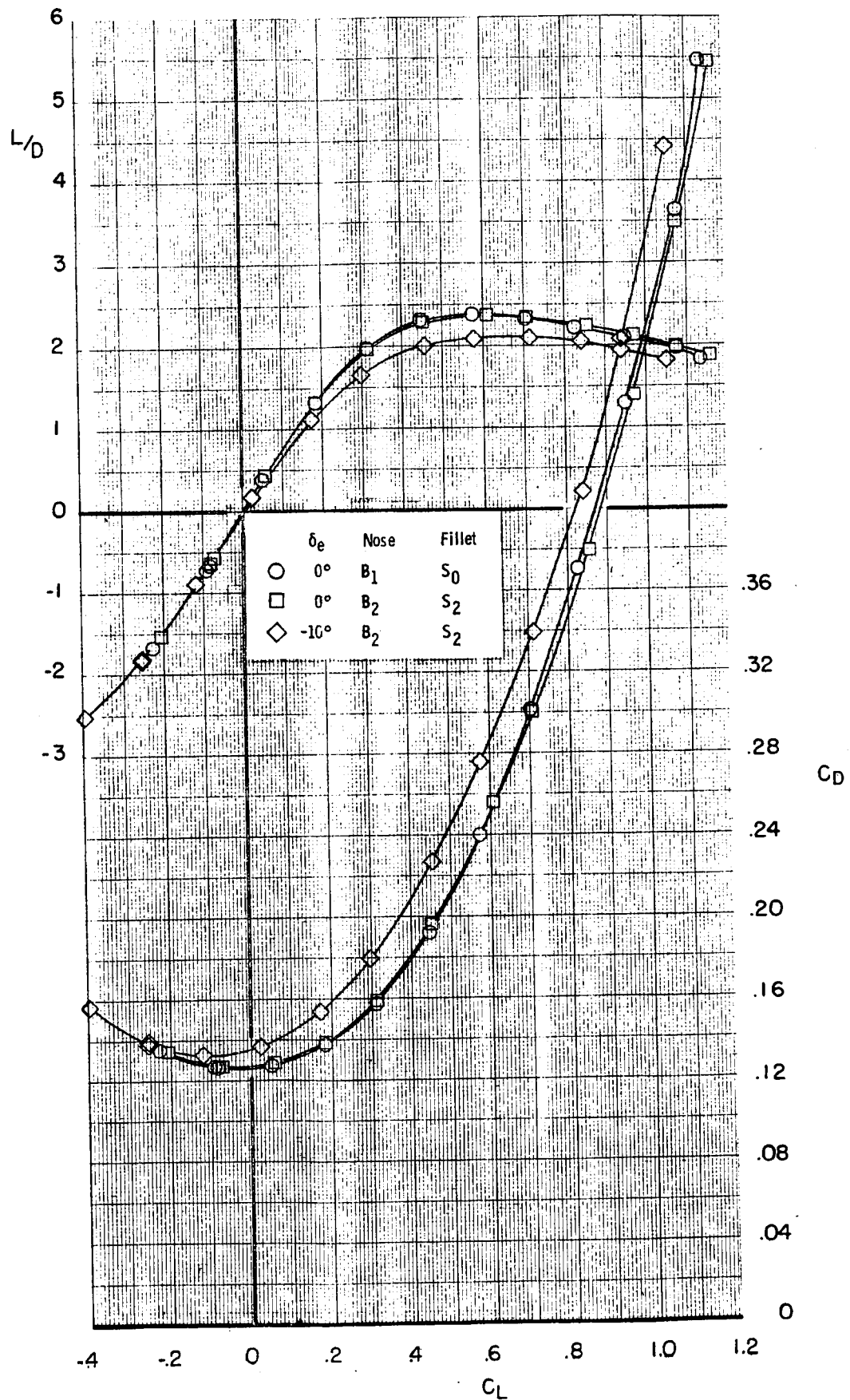


Figure 10. - Continued.



(d) Concluded
Figure 10. - Continued.

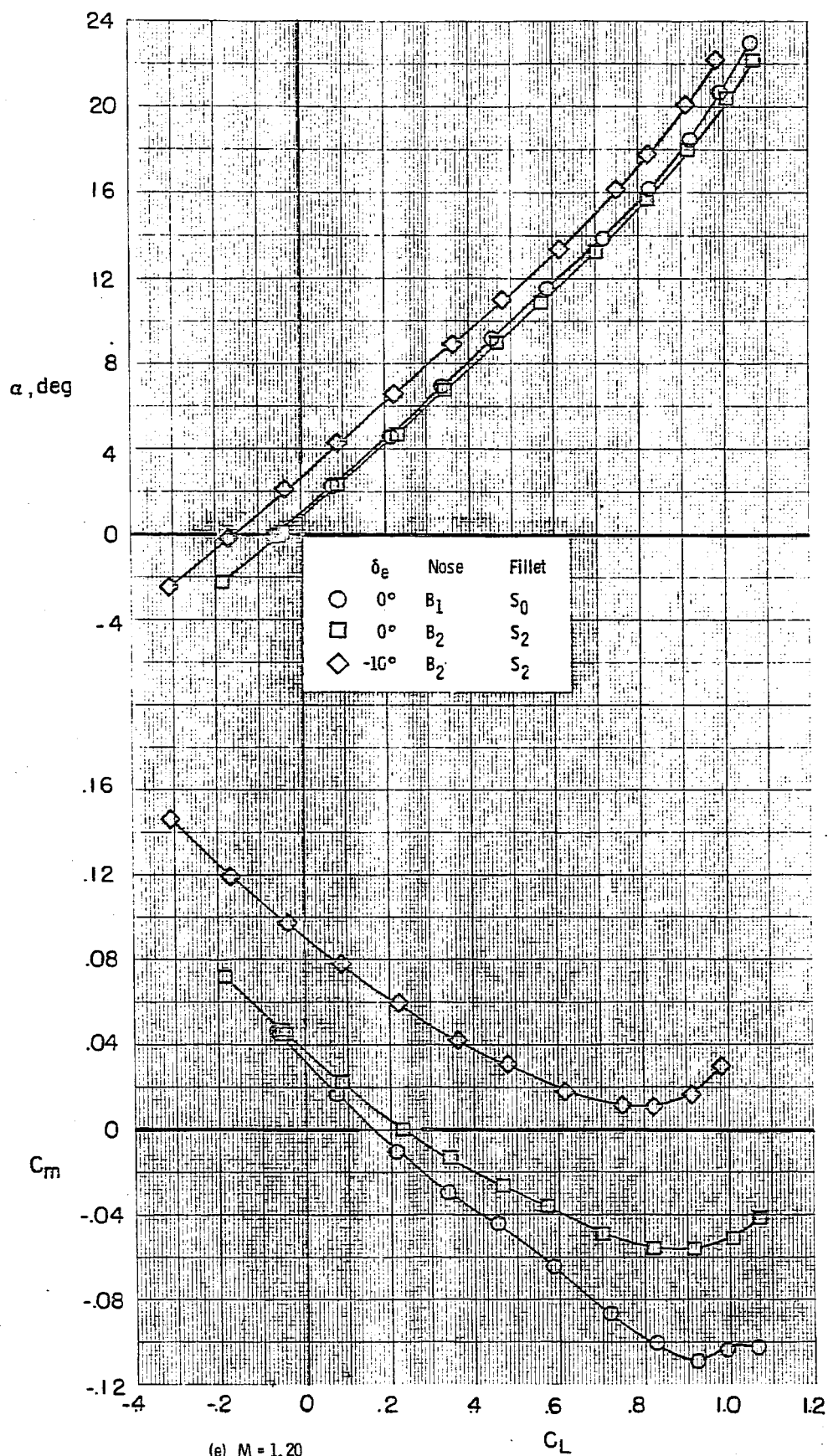
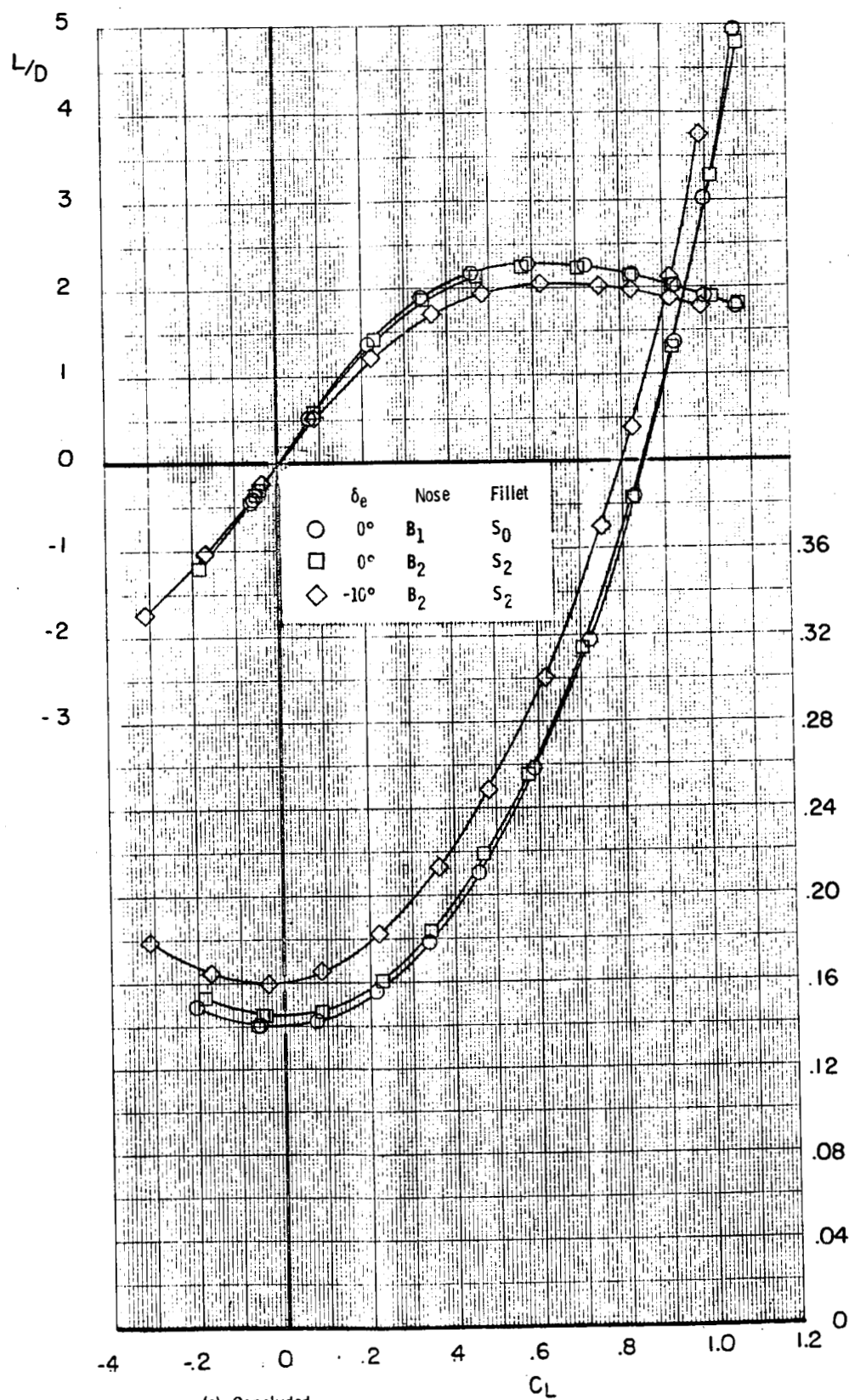


Figure 10. - Continued.



(e) Concluded
Figure 10.- Concluded.

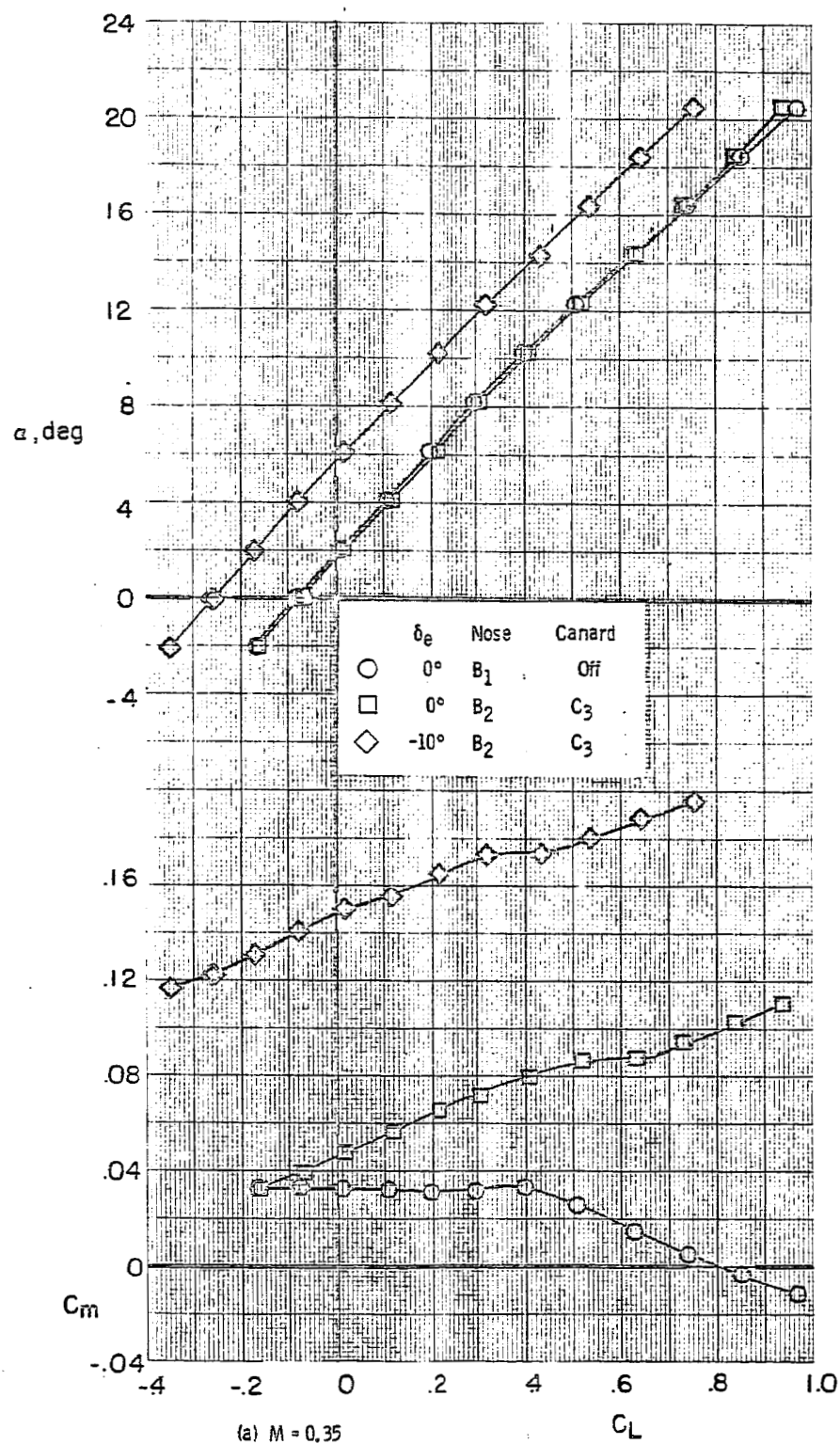
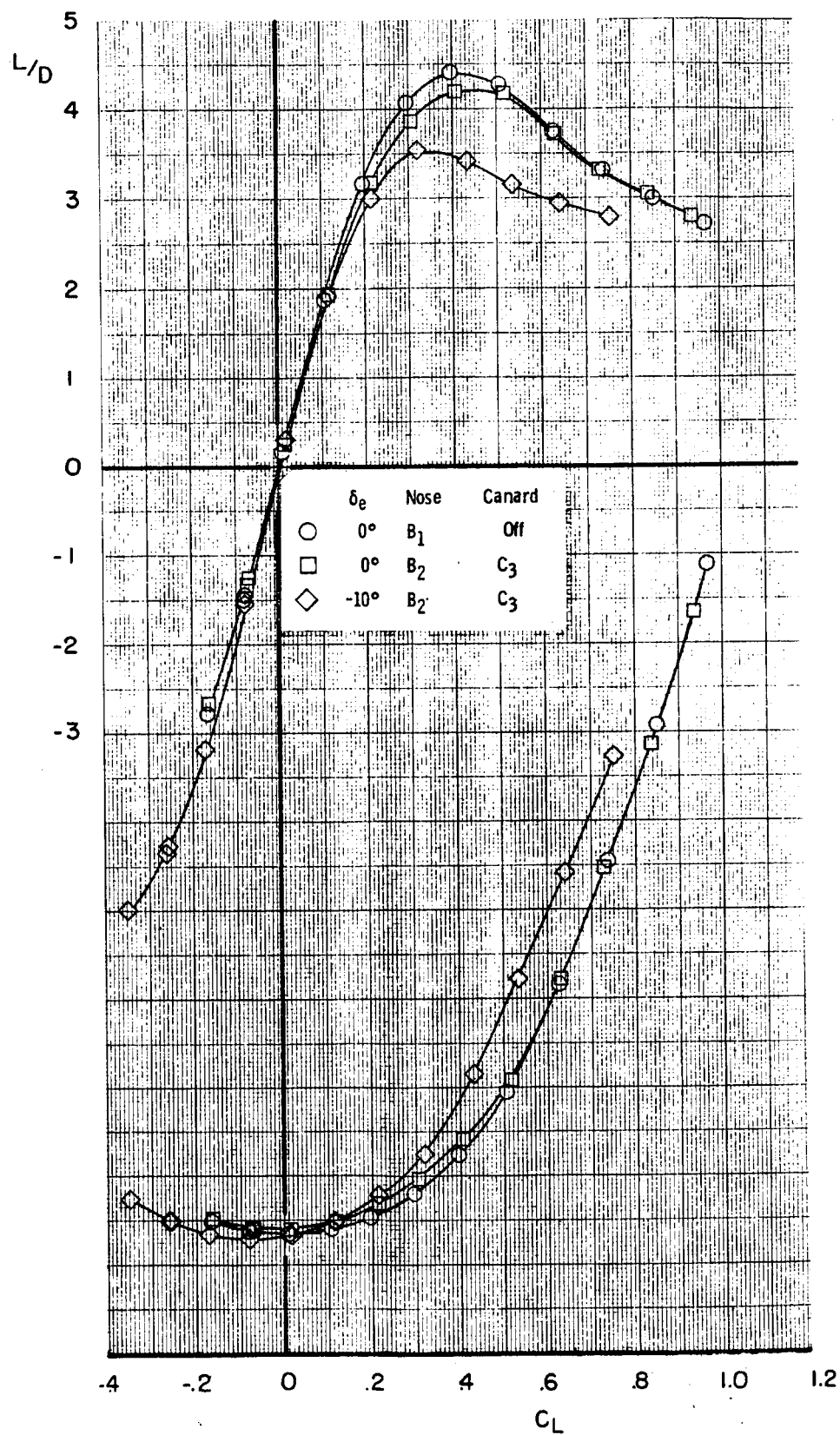


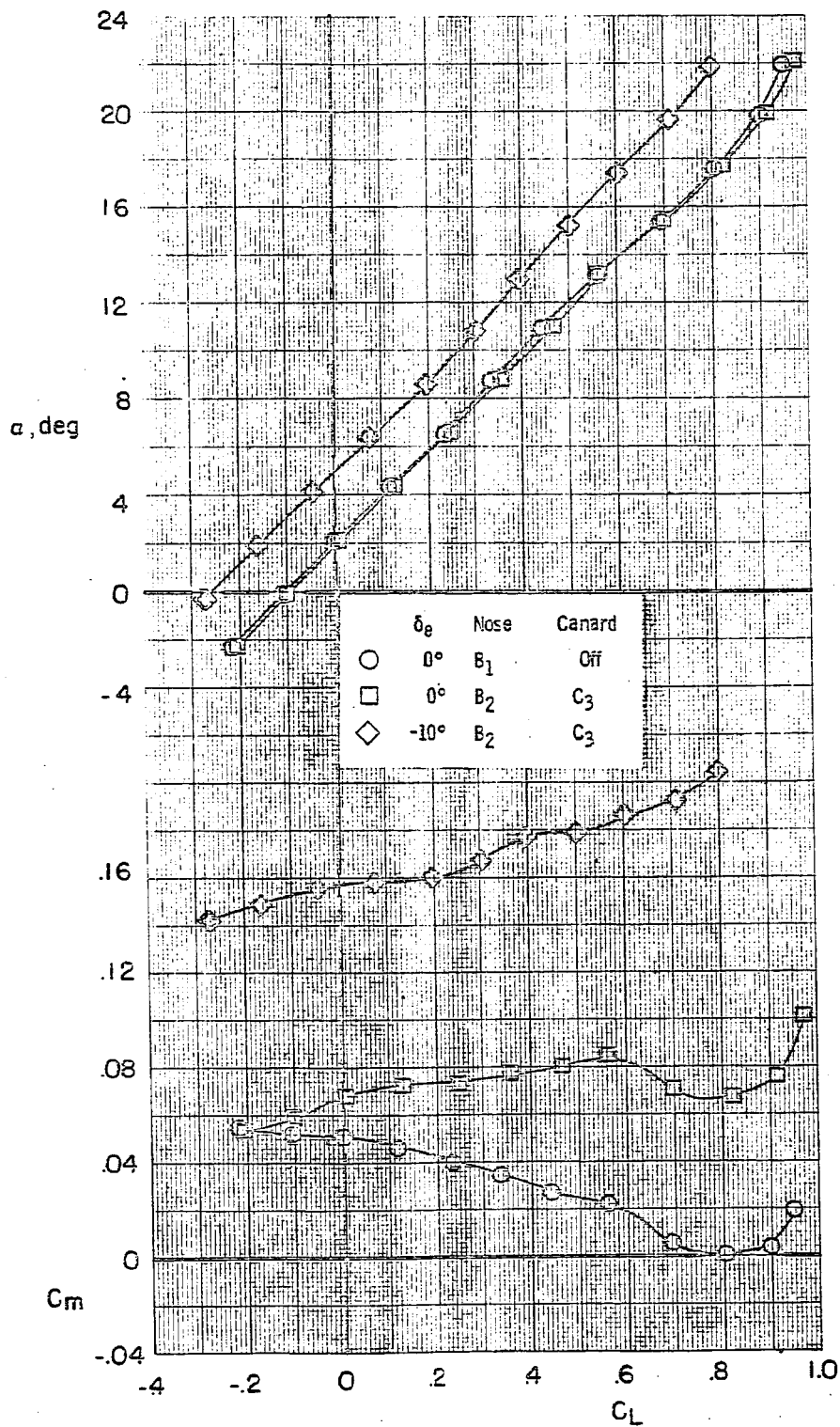
Figure 11. - Effect of fuselage forebody modification B_2 in combination with canard C_3 on the longitudinal aerodynamic characteristics for configuration

B_1WVS_0EF . $\delta_{BF} = -11.7^\circ$; $\delta_{SB} = 0^\circ$.

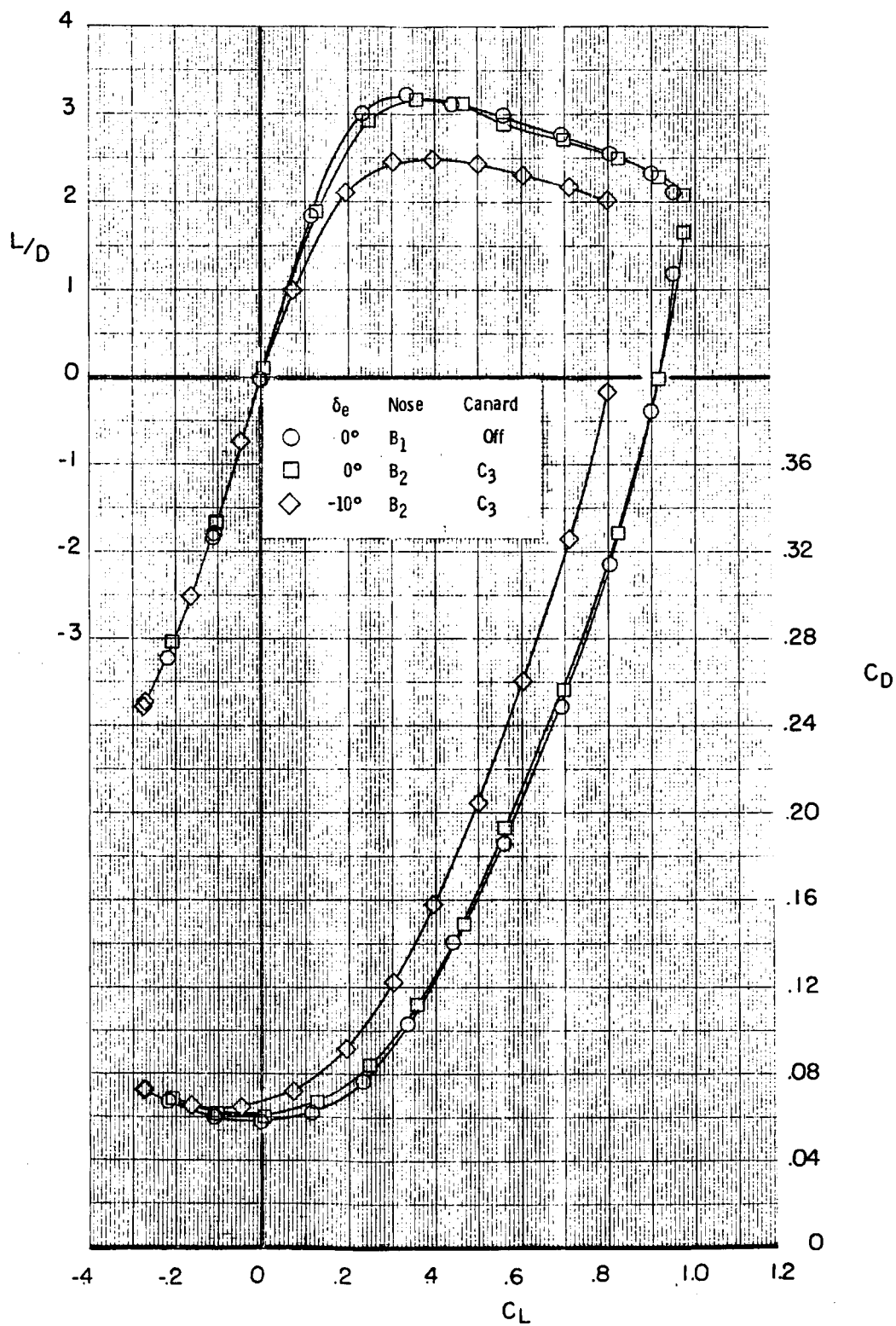


(a) Concluded

Figure 11. - Continued.



(b) $M = 0.80$
 Figure 11.- Continued.



(b) Concluded
Figure 11. - Continued.

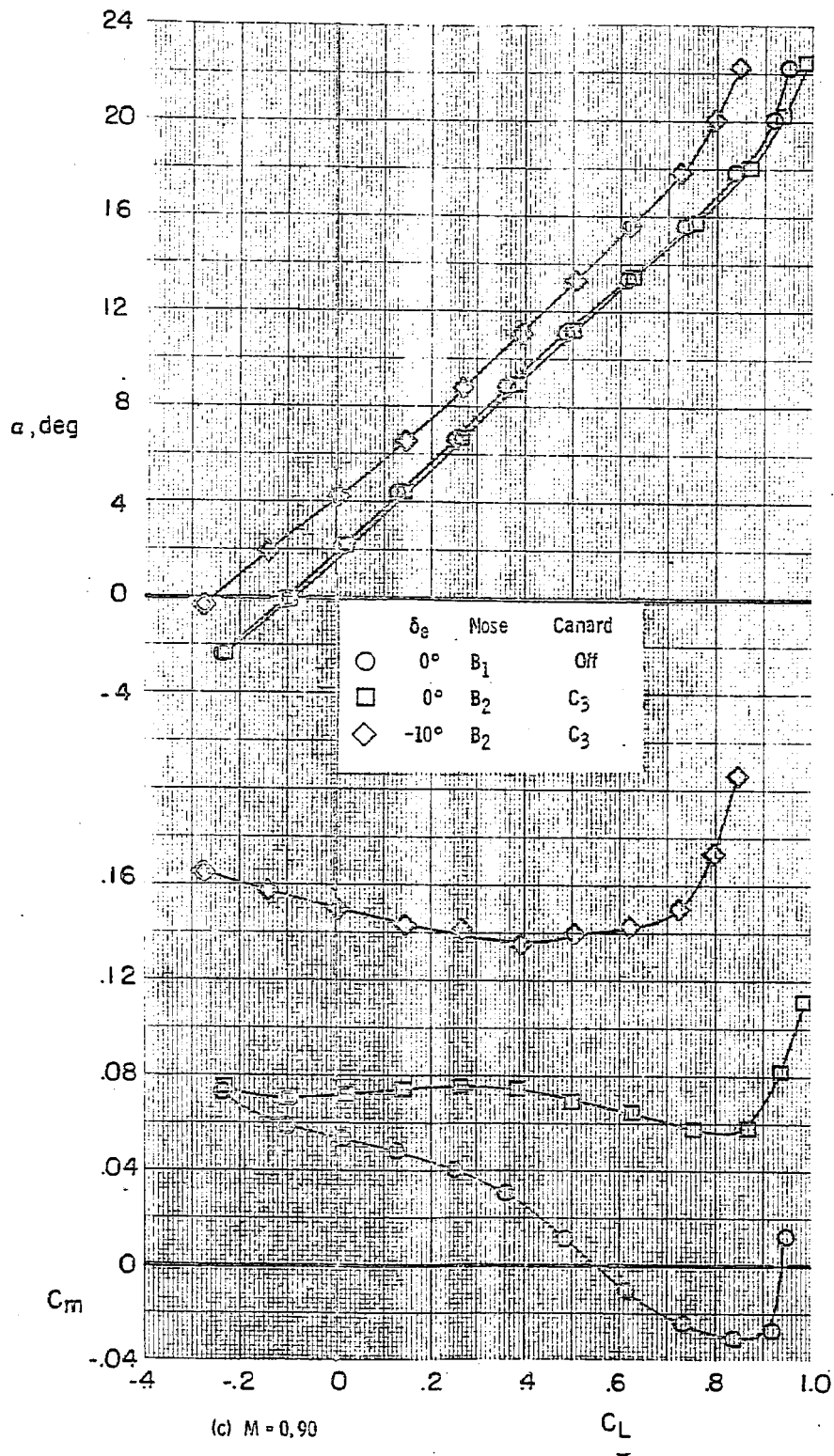
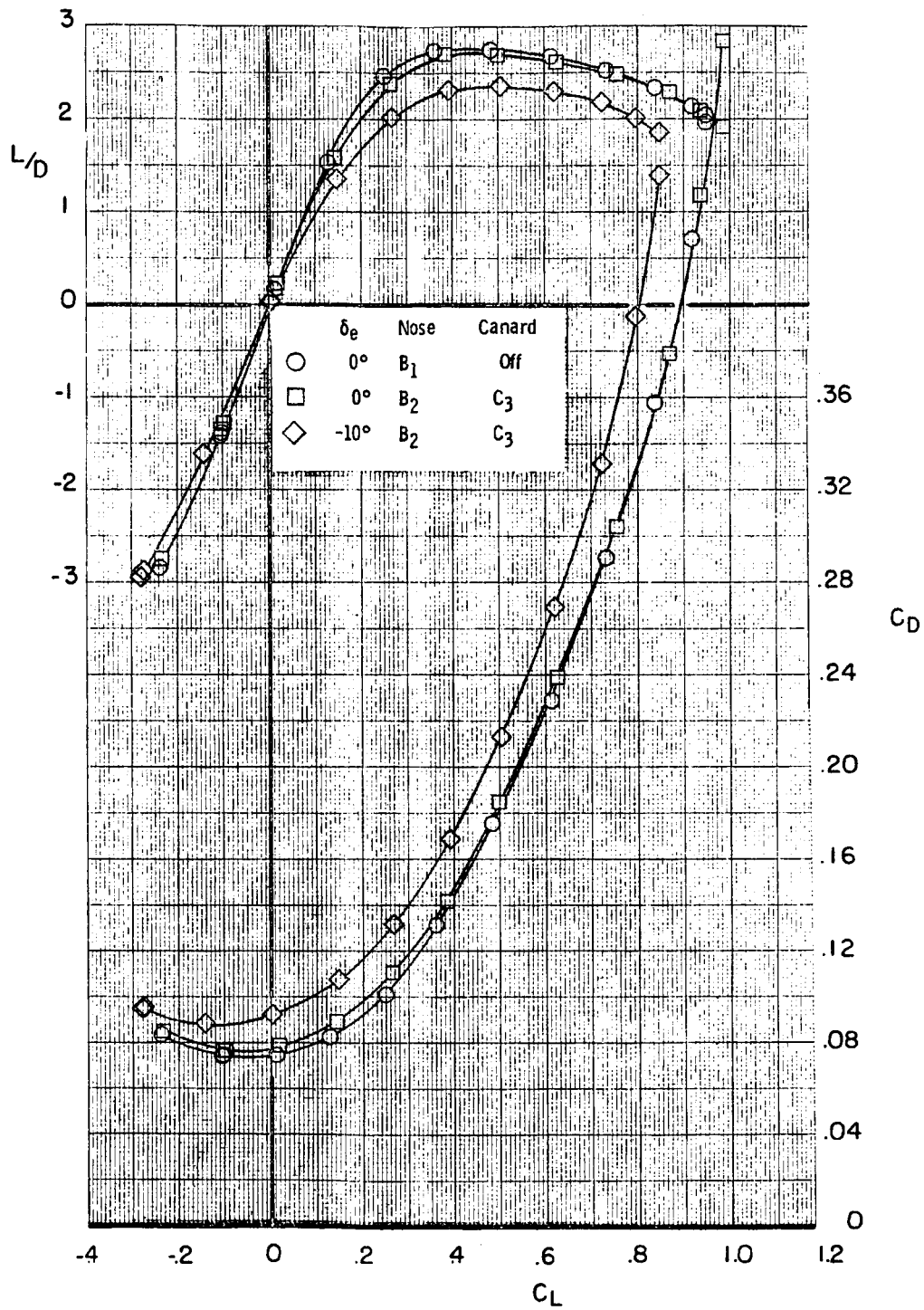
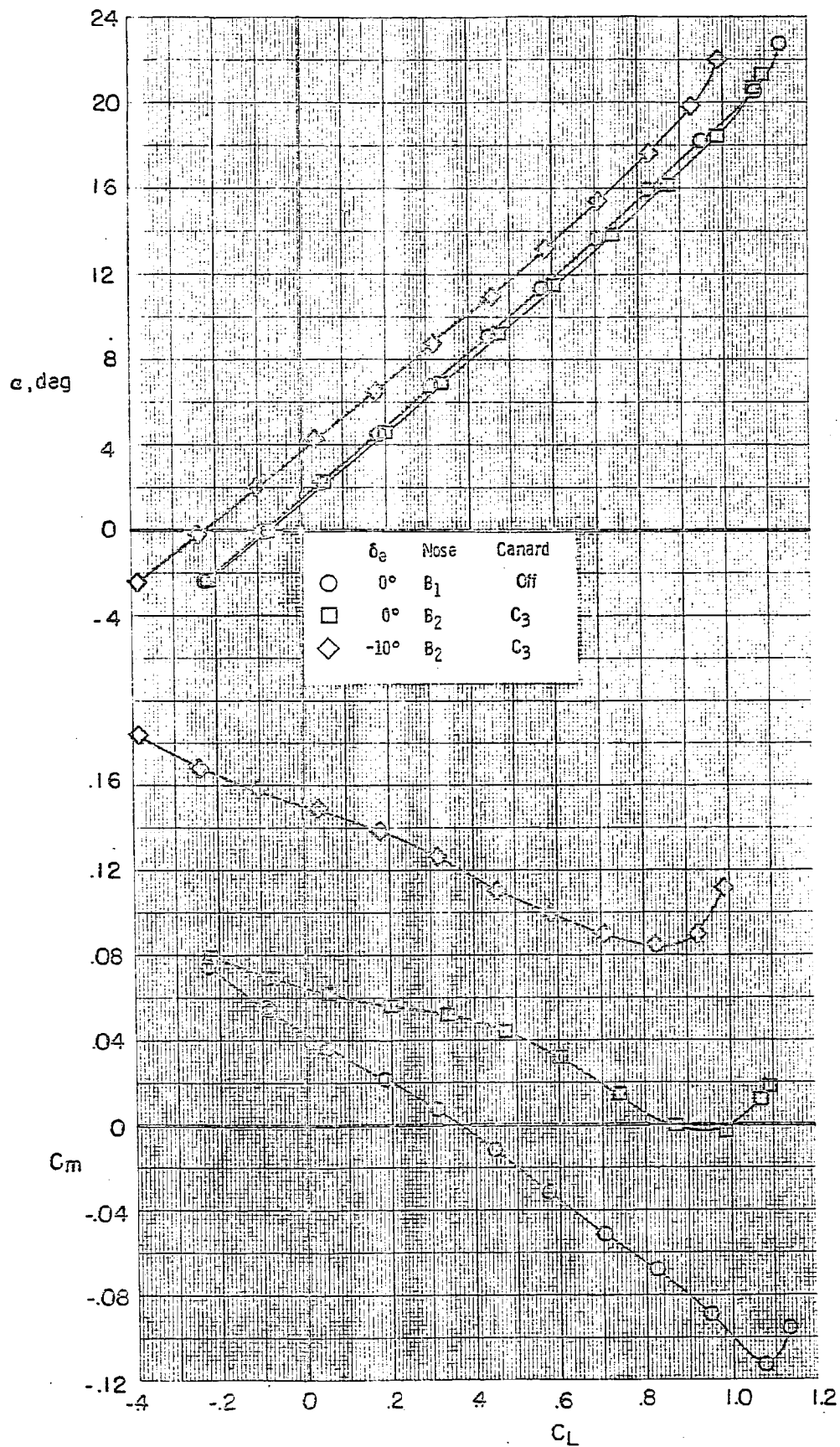


Figure 11. - Continued.

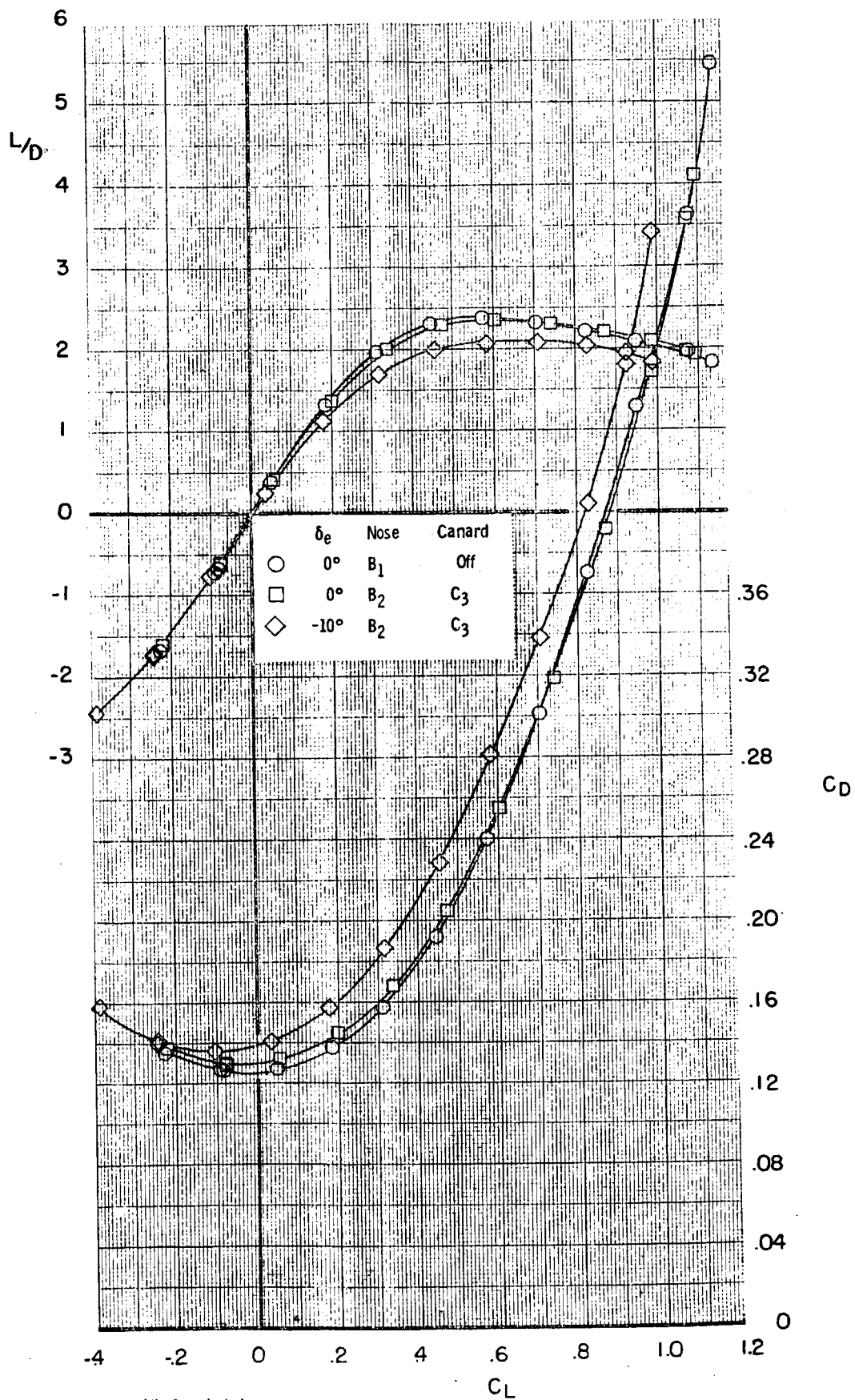


(c) Concluded
Figure 11.- Continued.



(d) $M = 0.98$

Figure 11. - Continued.



(d) Concluded
Figure 11. - Continued.

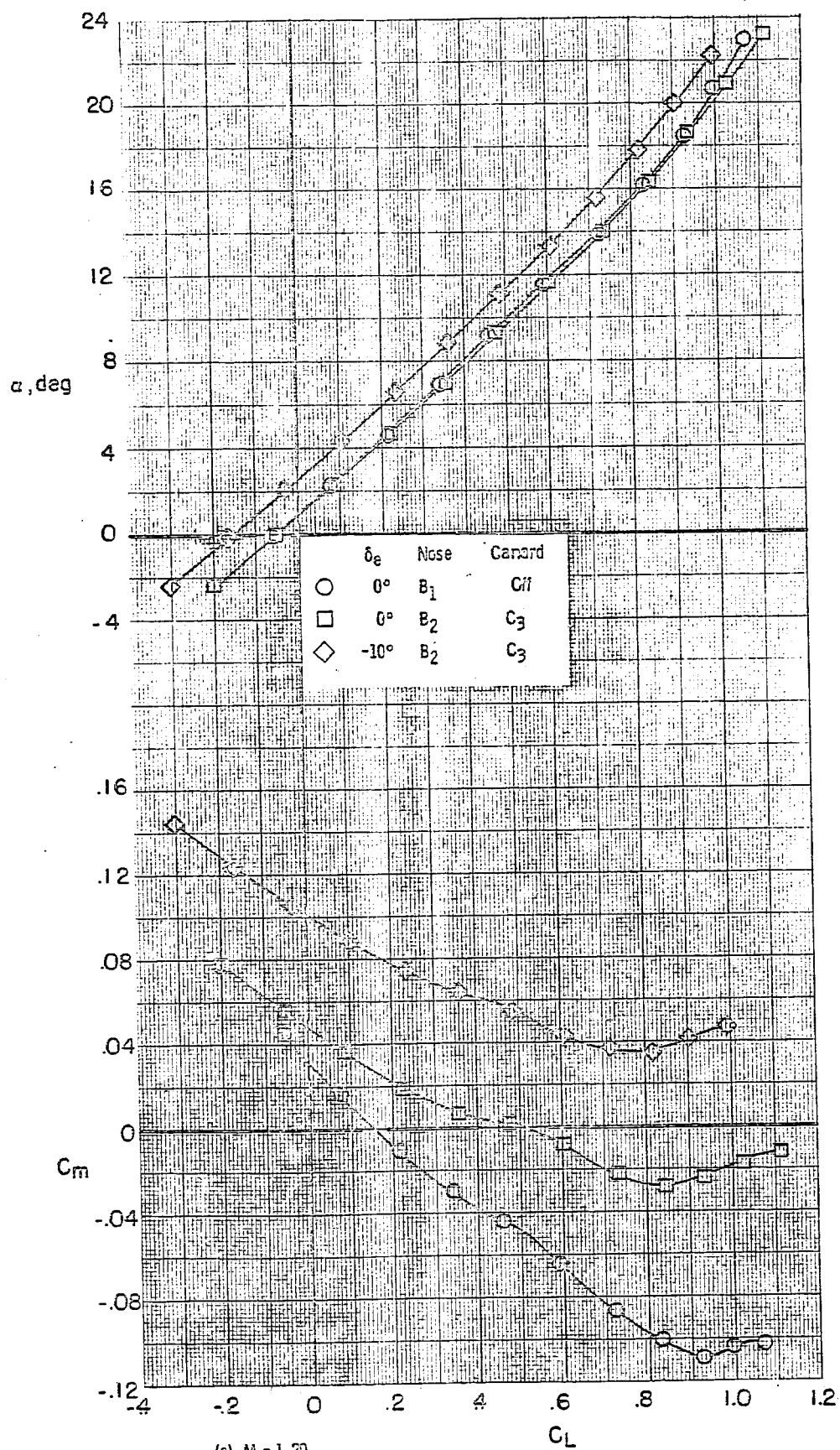
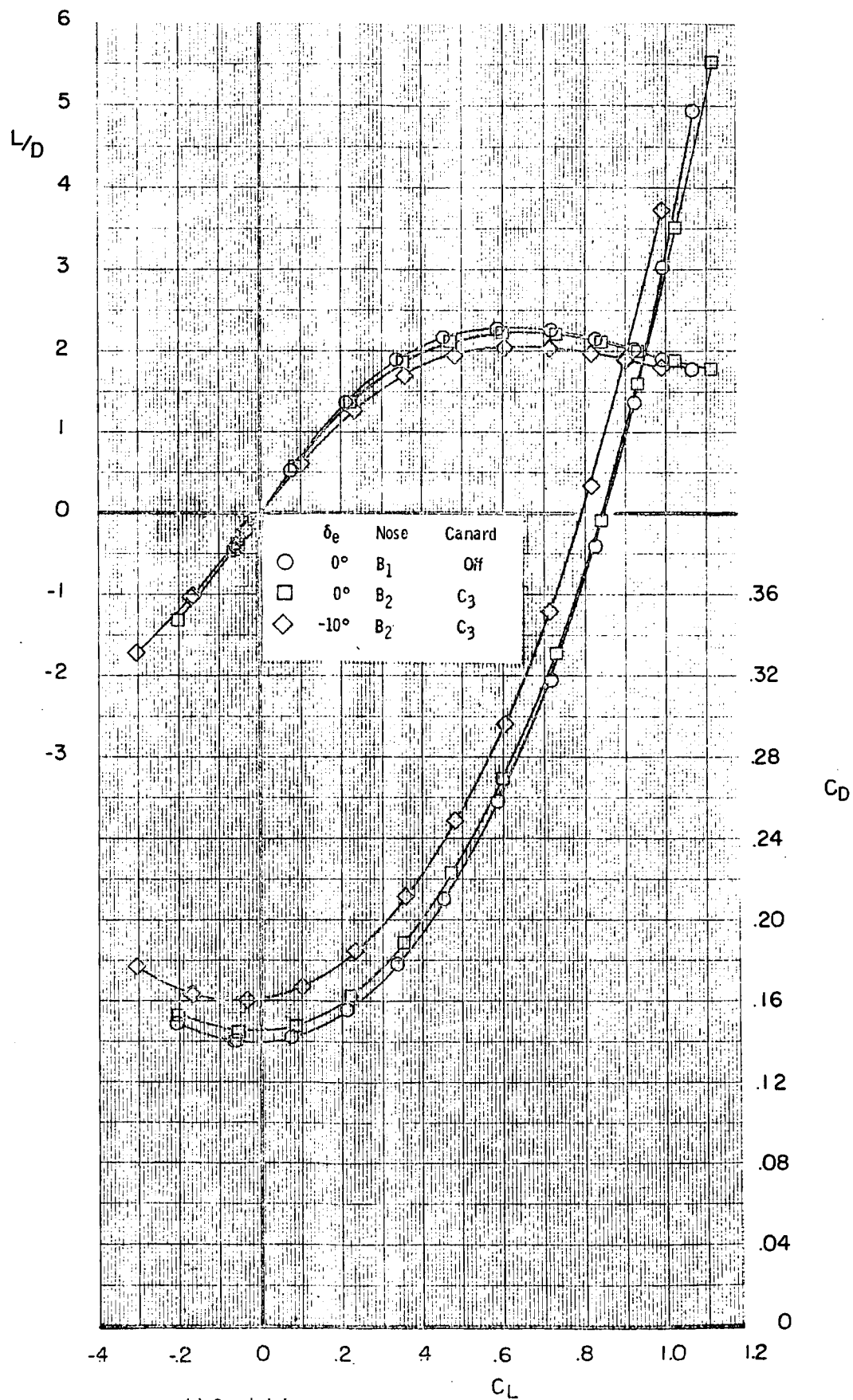


Figure 11.- Continued.



(e) Concluded
Figure 11. - Concluded.

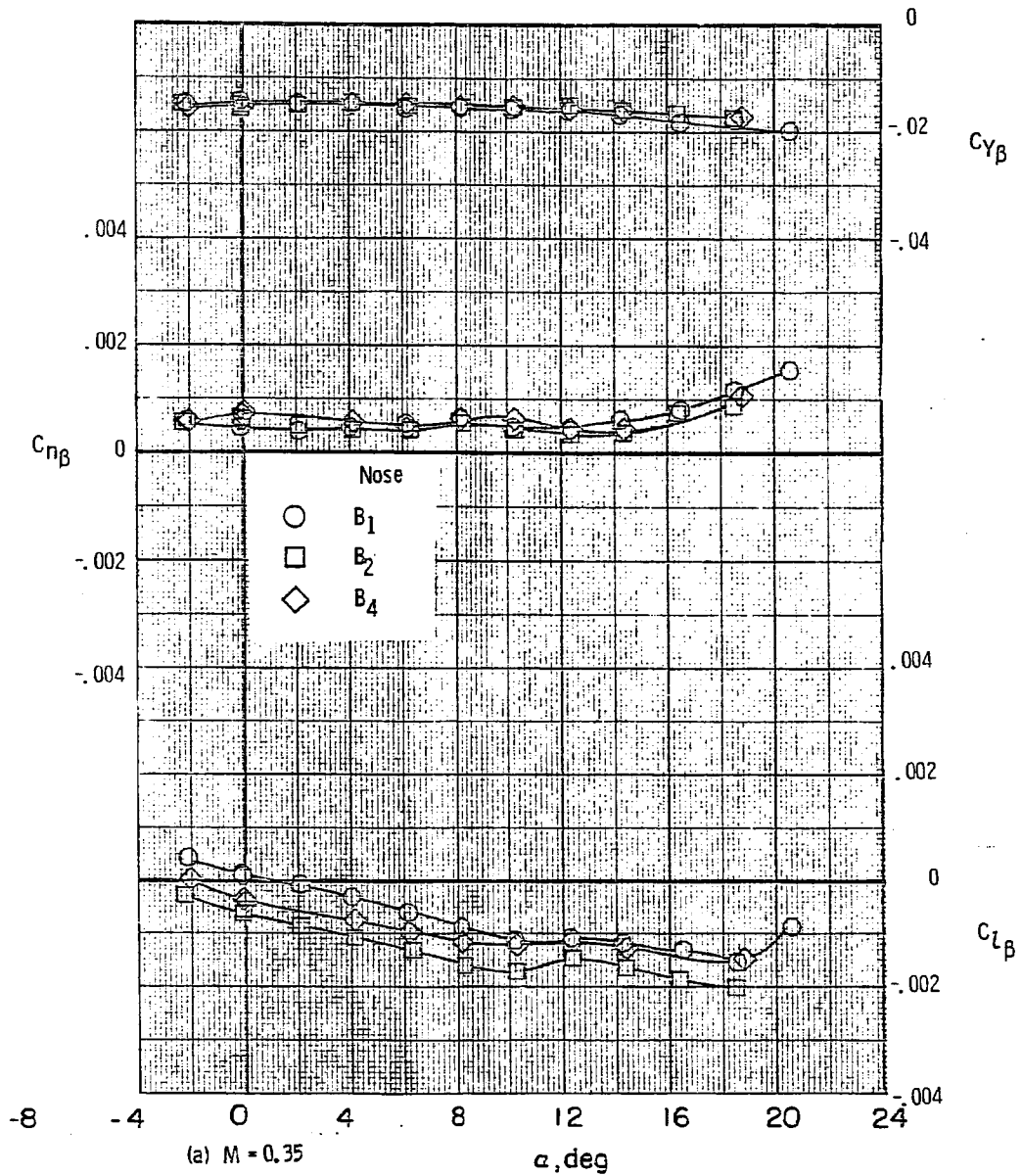
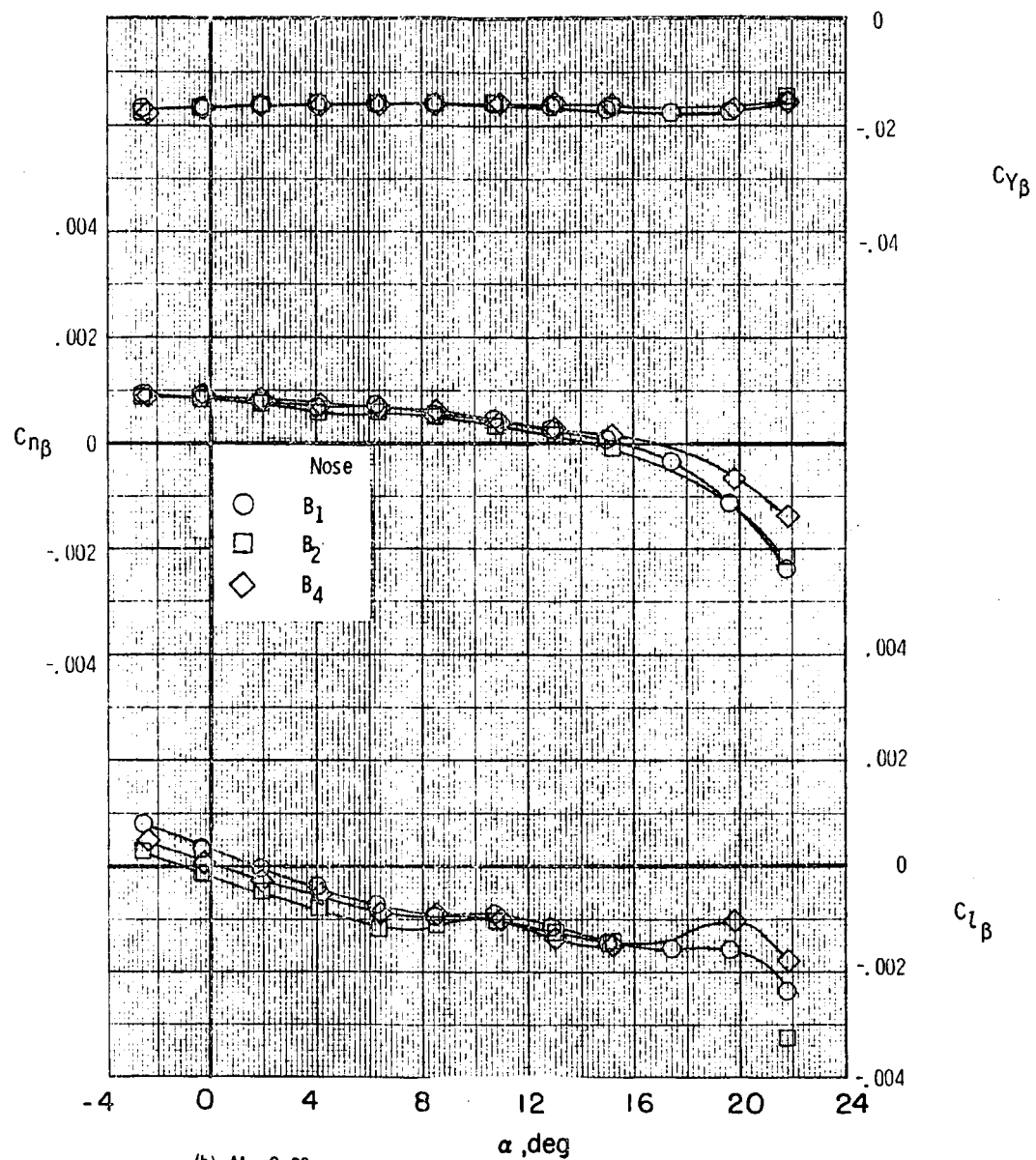
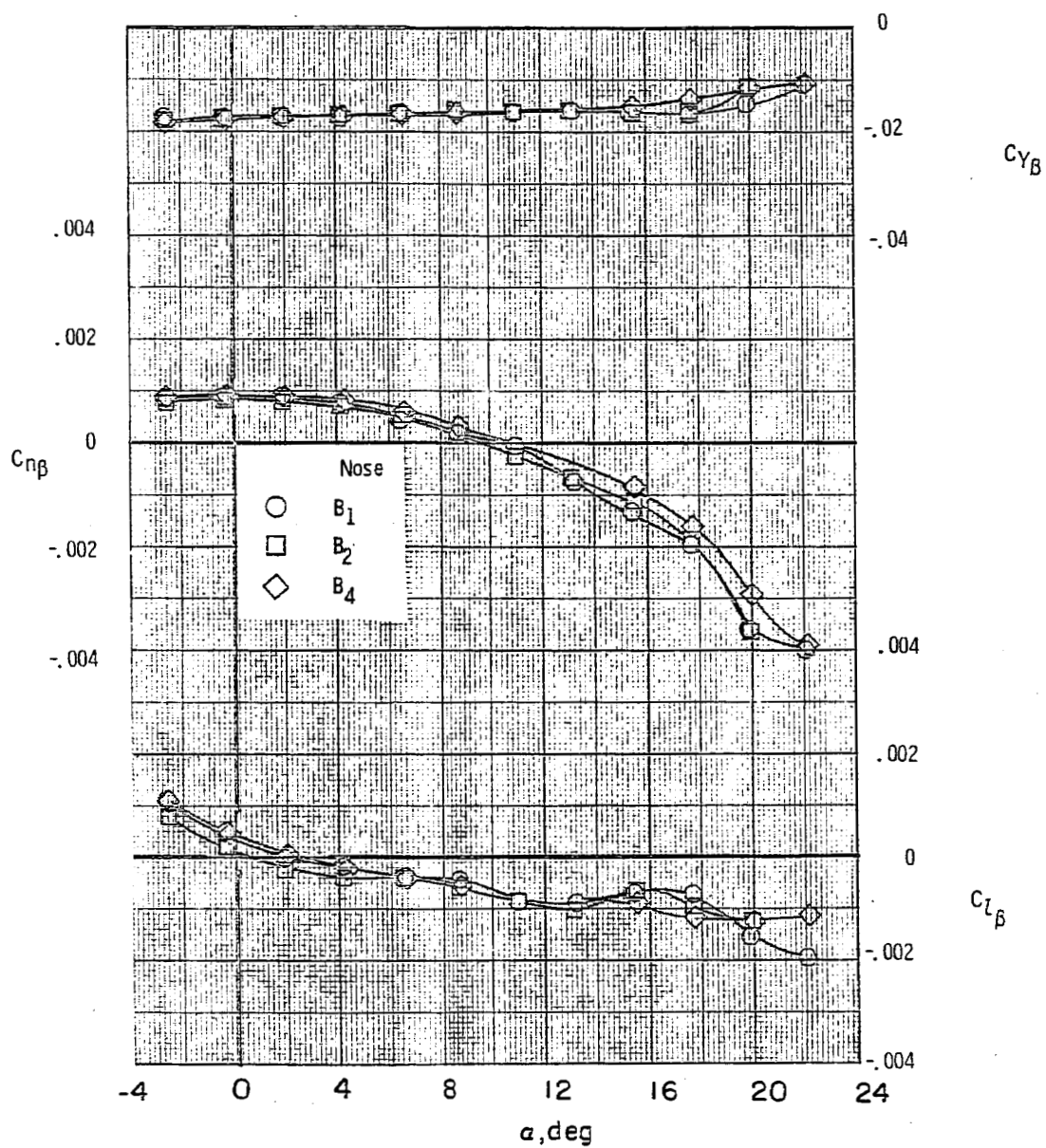


Figure 12. - Lateral-directional aerodynamic characteristics for the baseline configuration B_1WVS_0EF with and without fuselage forebody modifications B_2 and B_4 . $\delta_e = -10^\circ$; $\delta_{BF} = -11.7^\circ$; $\delta_{SB} = 0^\circ$.

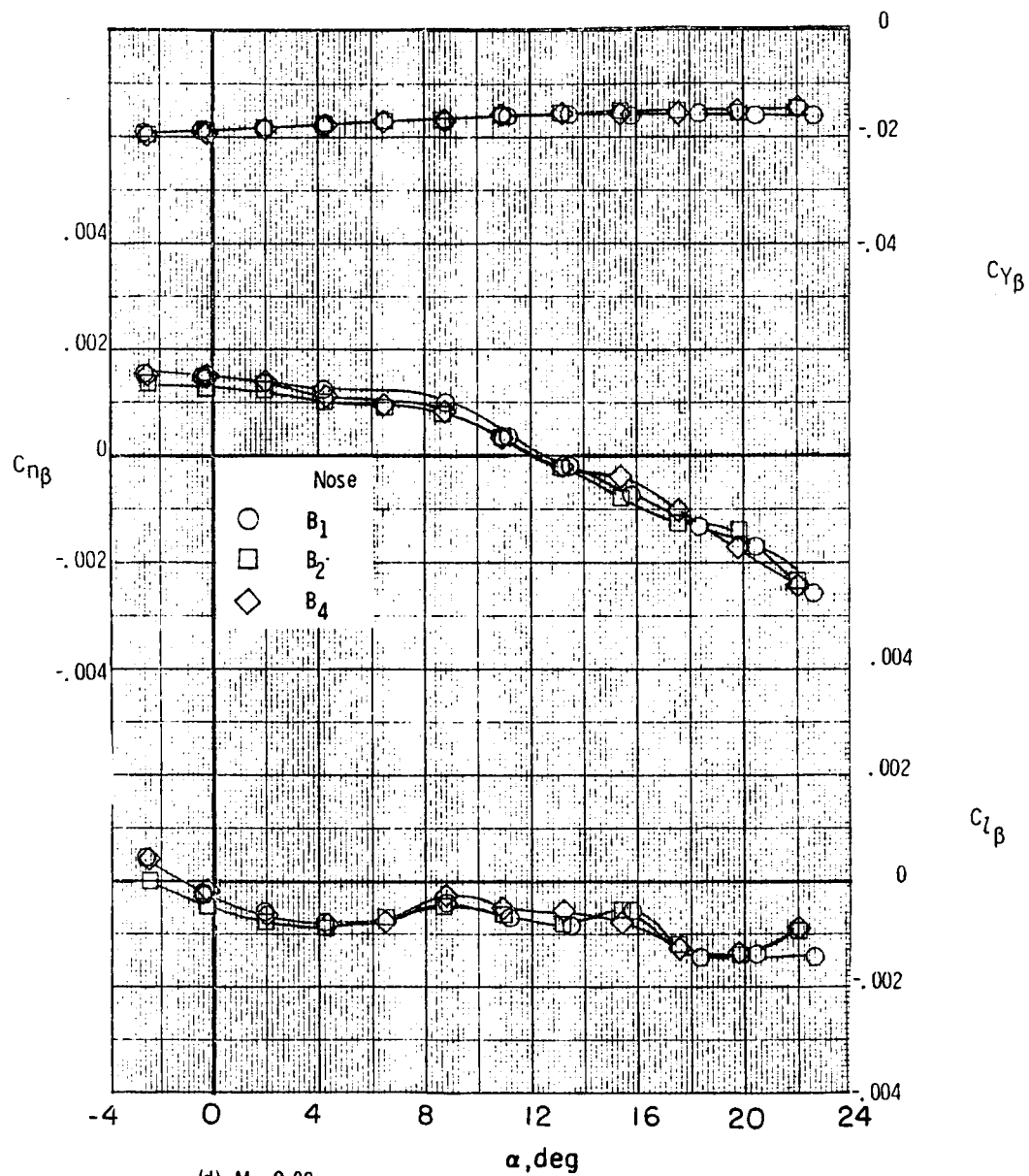


(b) $M = 0.80$
Figure 12. - Continued.

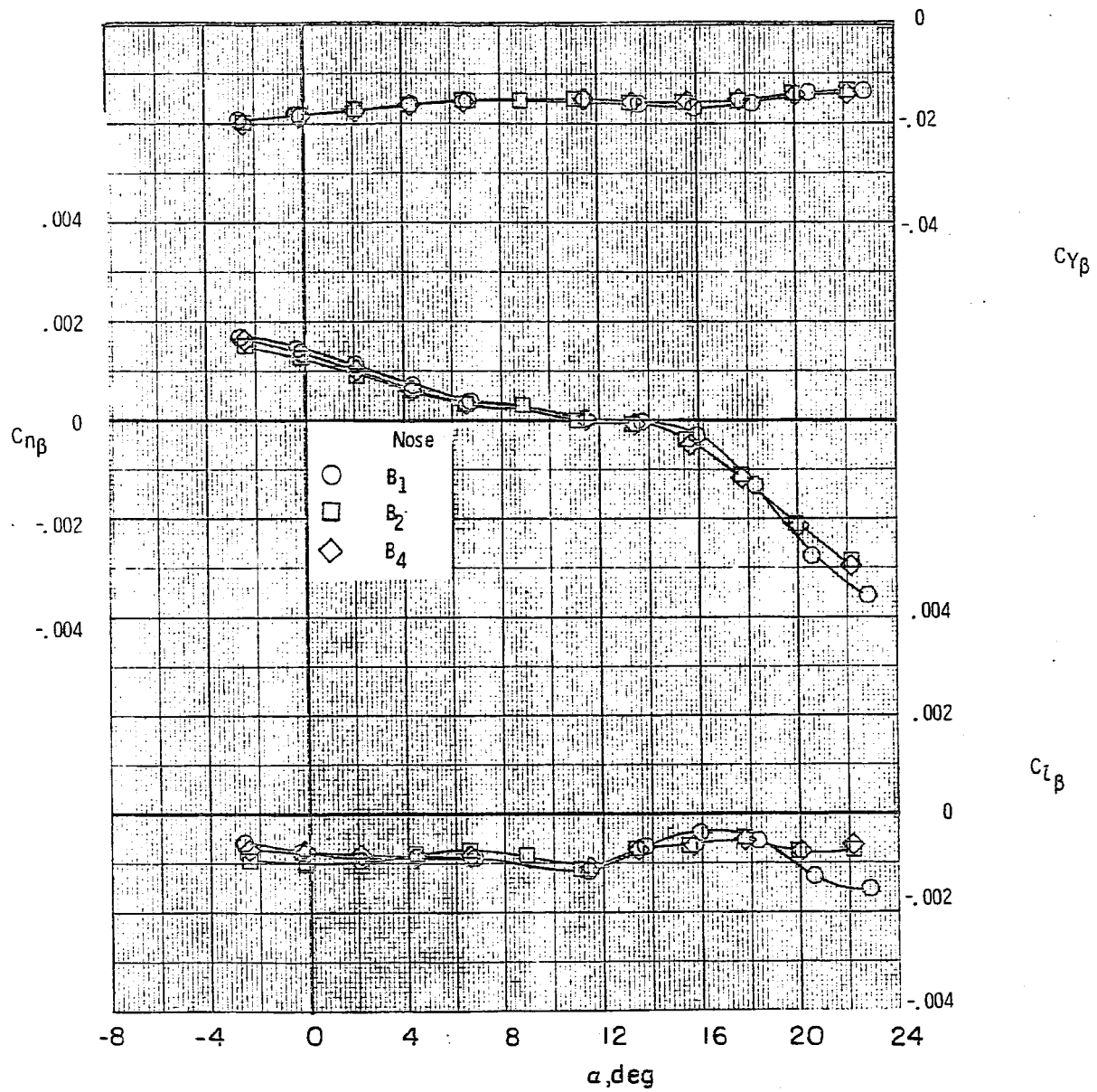


(c) $M = 0.90$

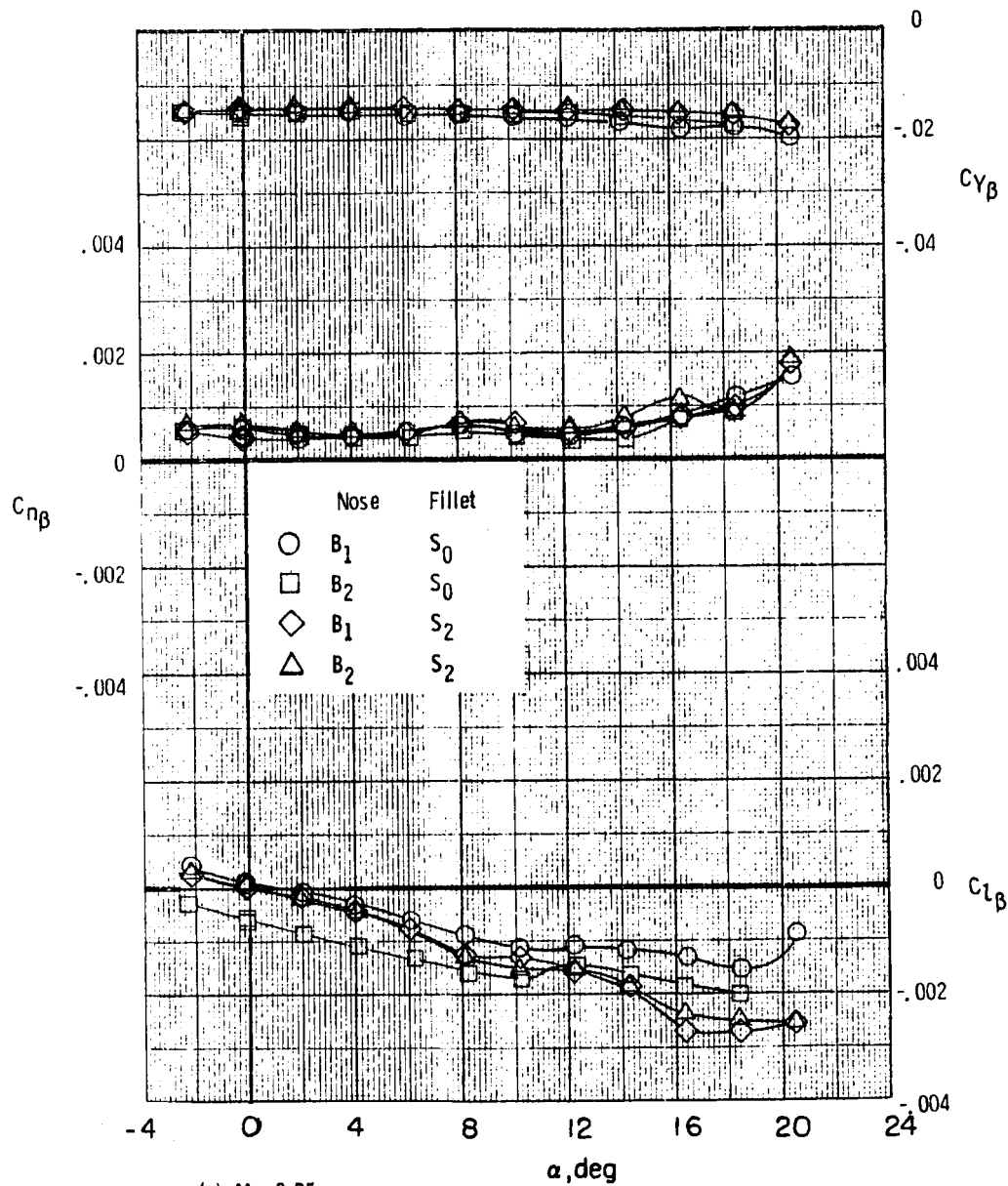
Figure 12.- Continued.



(d) $M = 0.98$
Figure 12 - Continued.



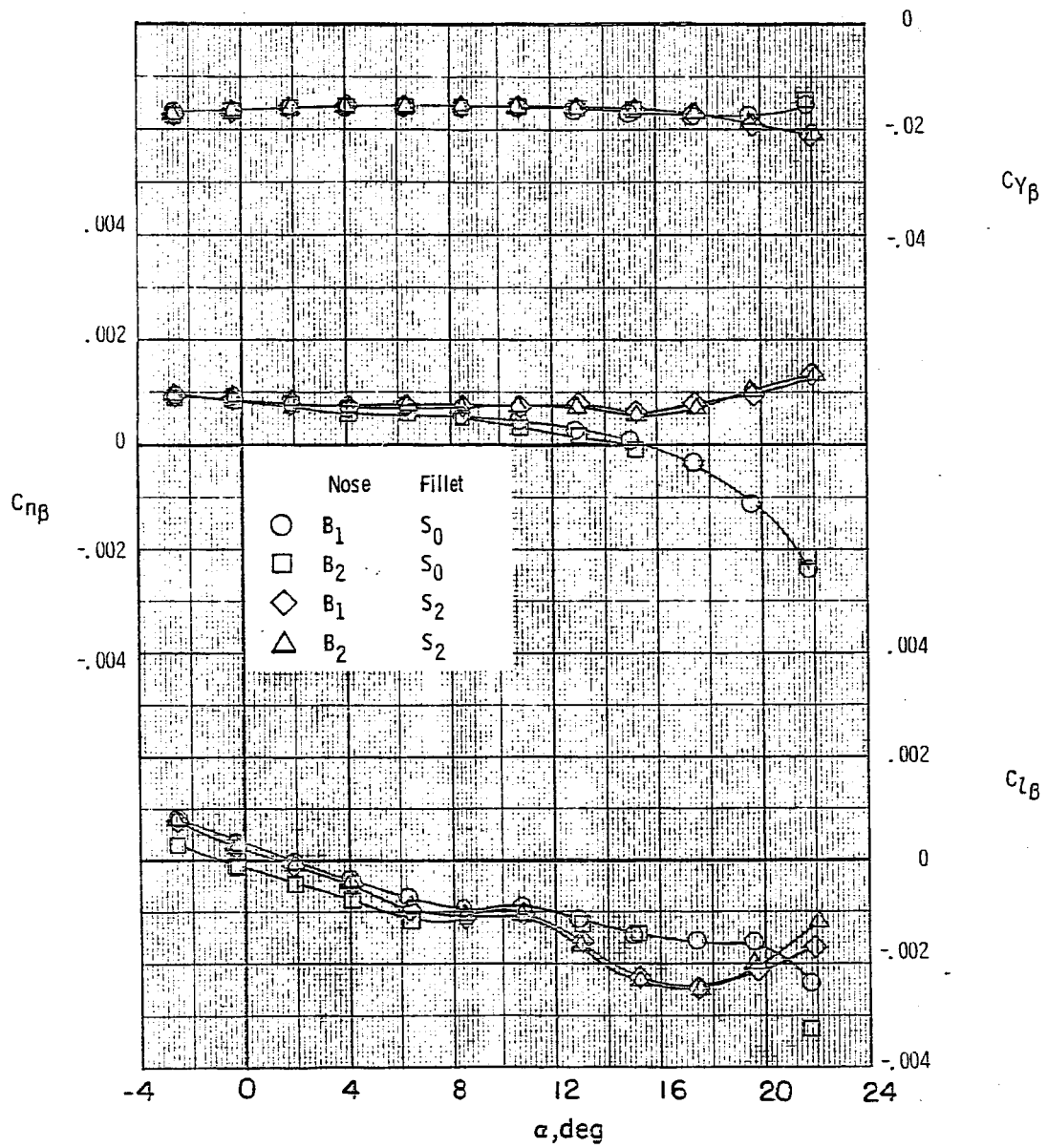
(e) $M = 1.20$
Figure 12. - Concluded.



(a) $M = 0.35$

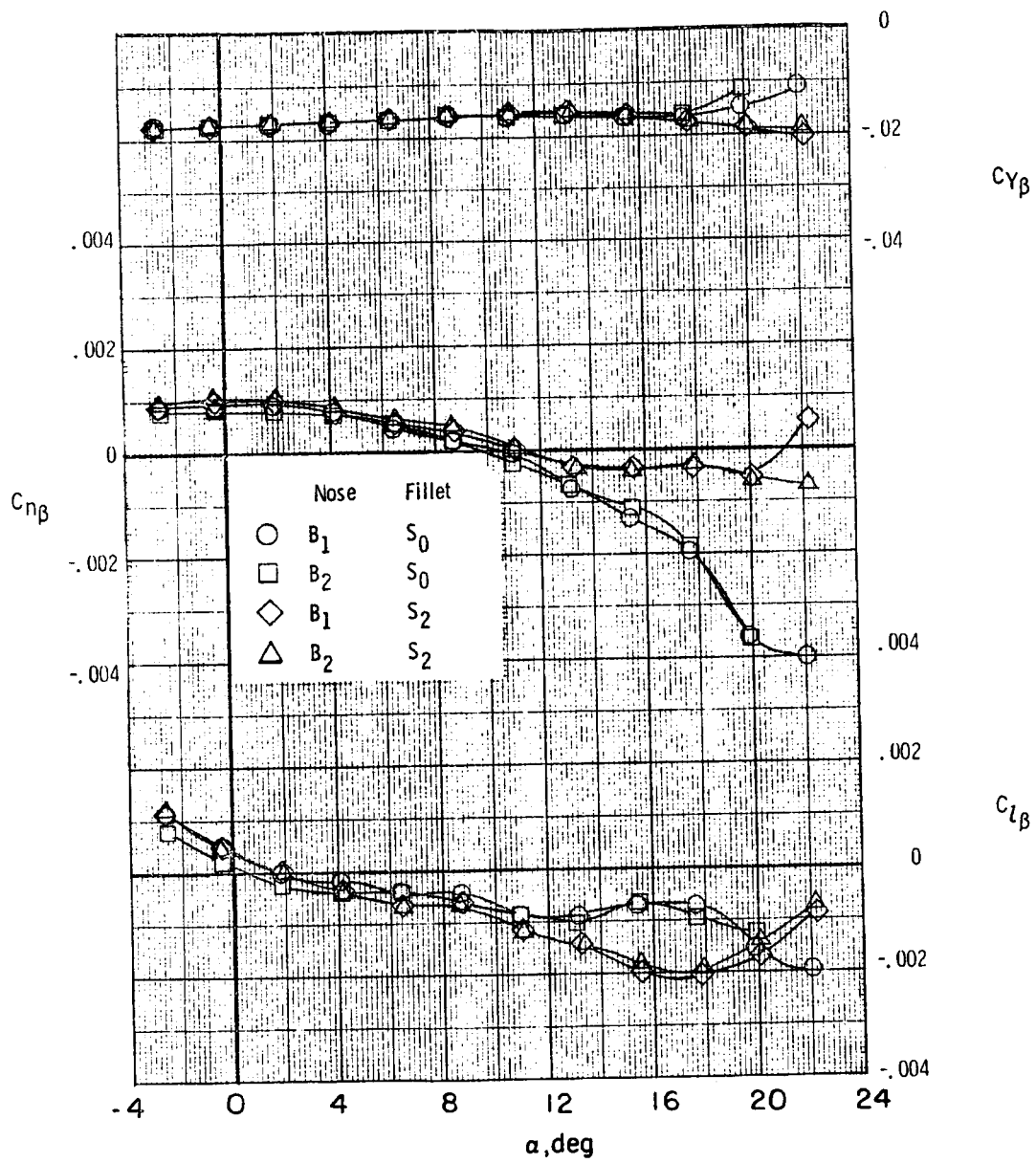
Figure 13. - Effects of fuselage forebody modification B_2 and planform fillet S_2 on the lateral-directional aerodynamic characteristics for configuration B_1WVS_0EF .

$\delta_e = -10^\circ$; $\delta_{BF} = -11.7^\circ$; $\delta_{SB} = 0^\circ$.



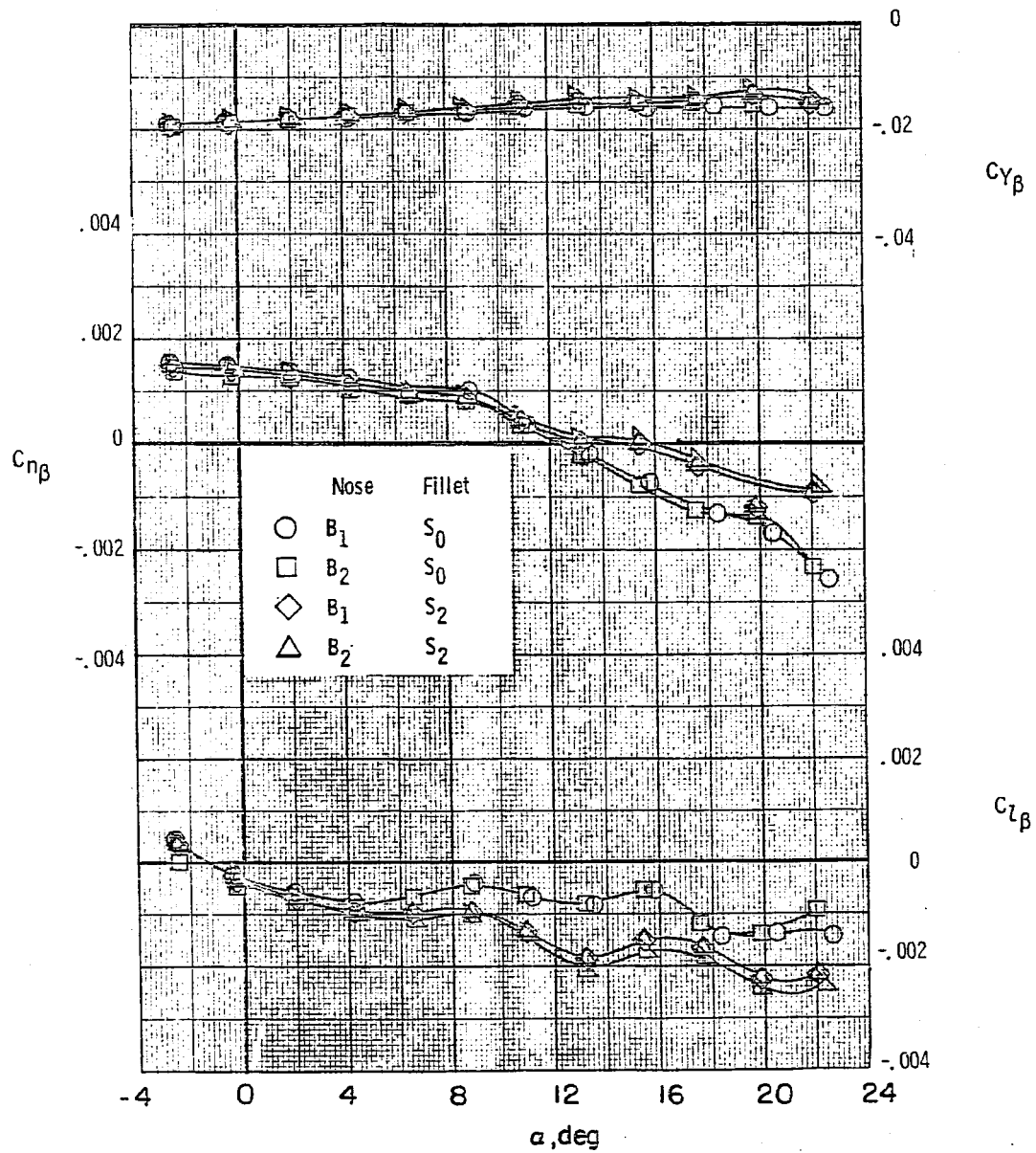
(b) $M = 0.80$

Figure 13. - Continued.



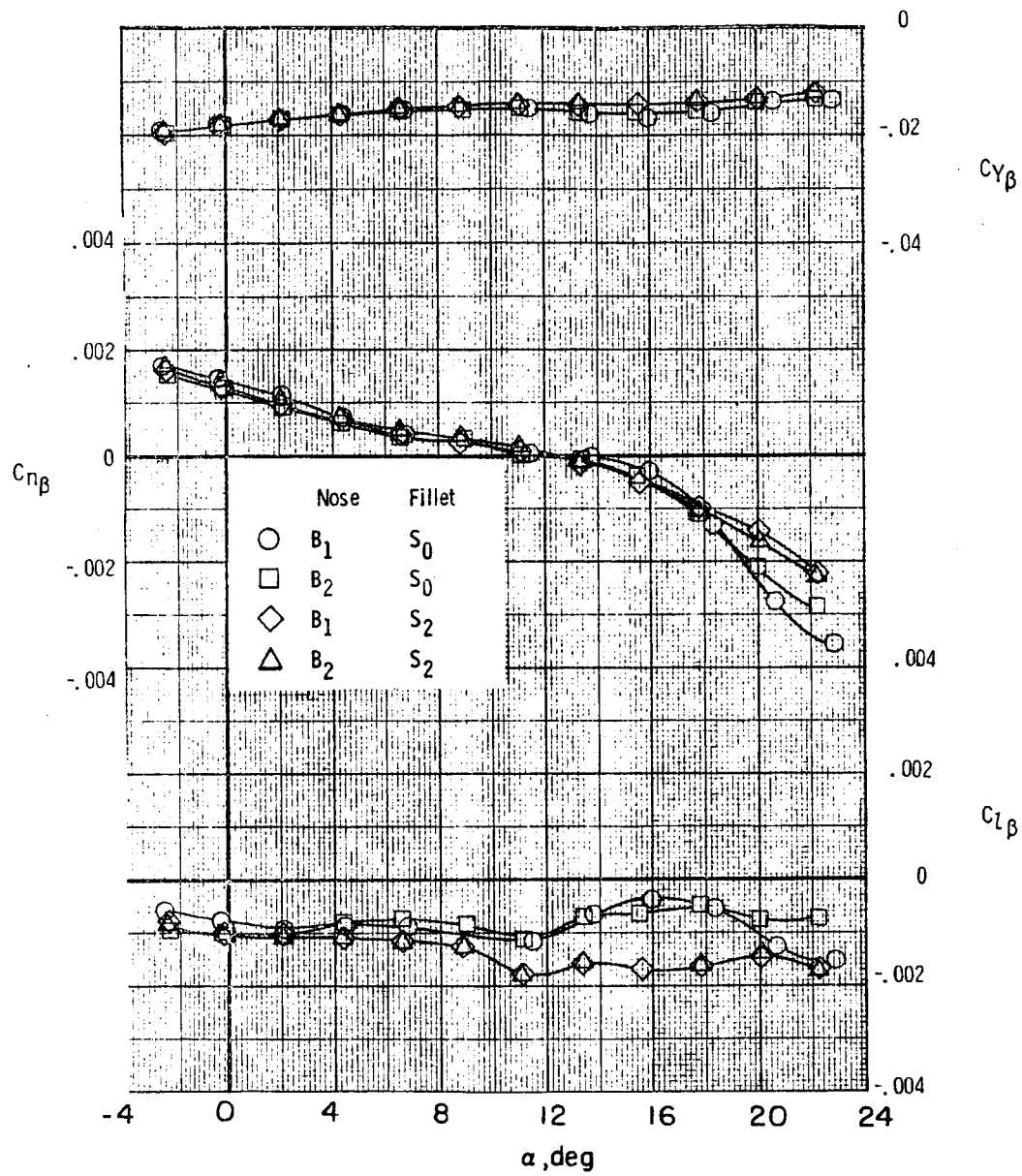
(c) $M = 0.90$

Figure 13.- Continued.



(d) $M = 0.98$

Figure 13. - Continued.



(e) $M = 1.20$

Figure 13. - Concluded.

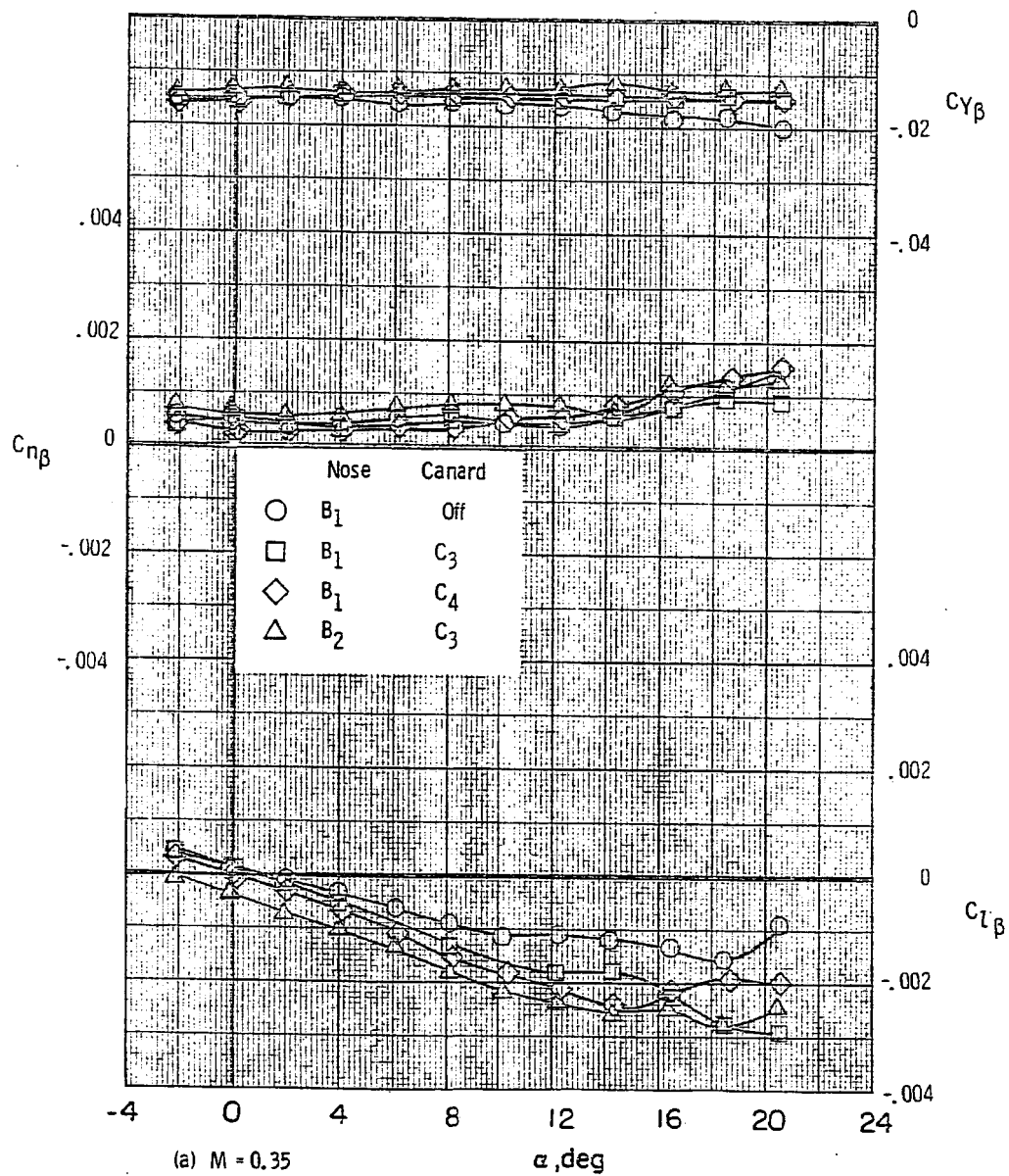
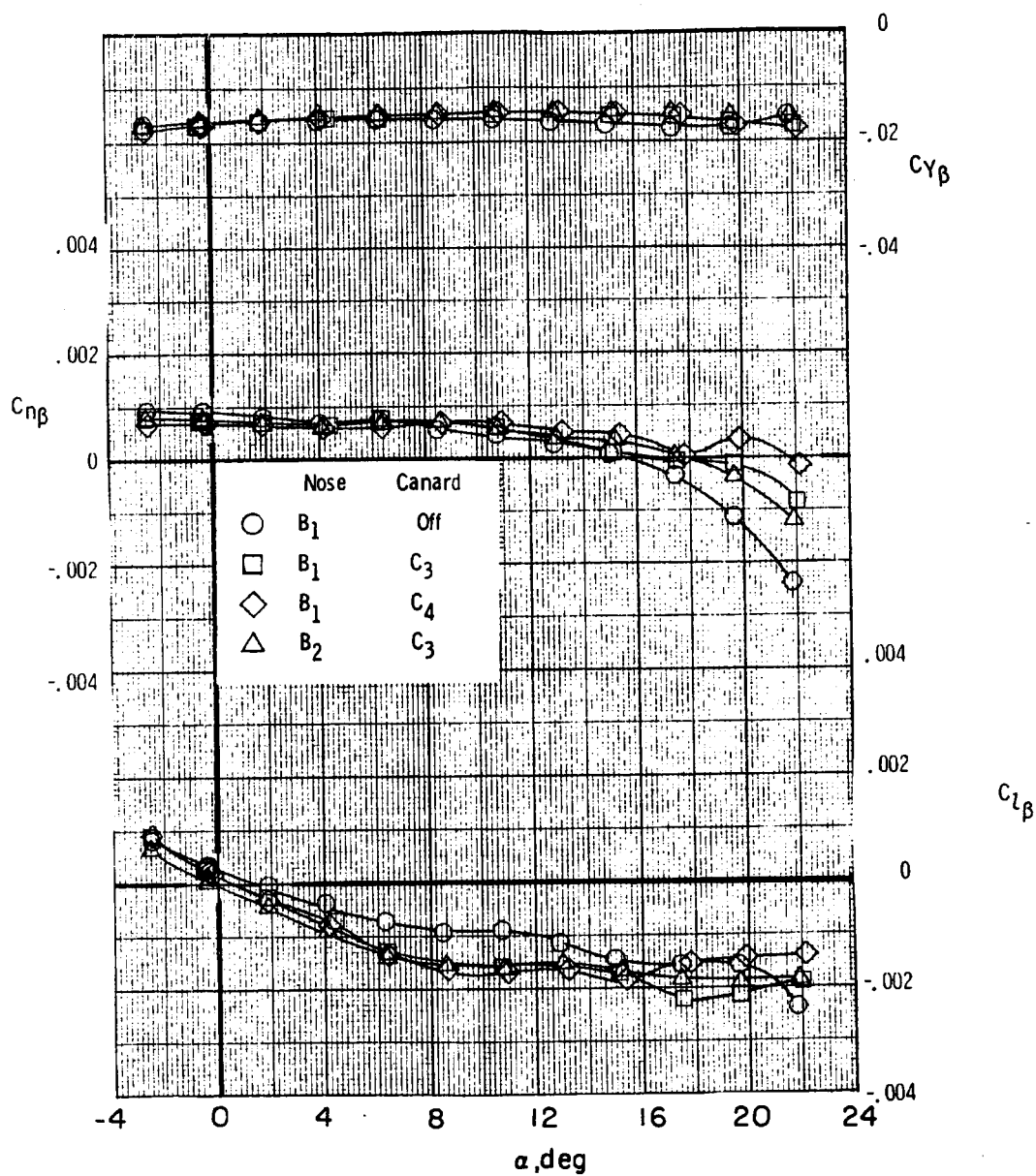


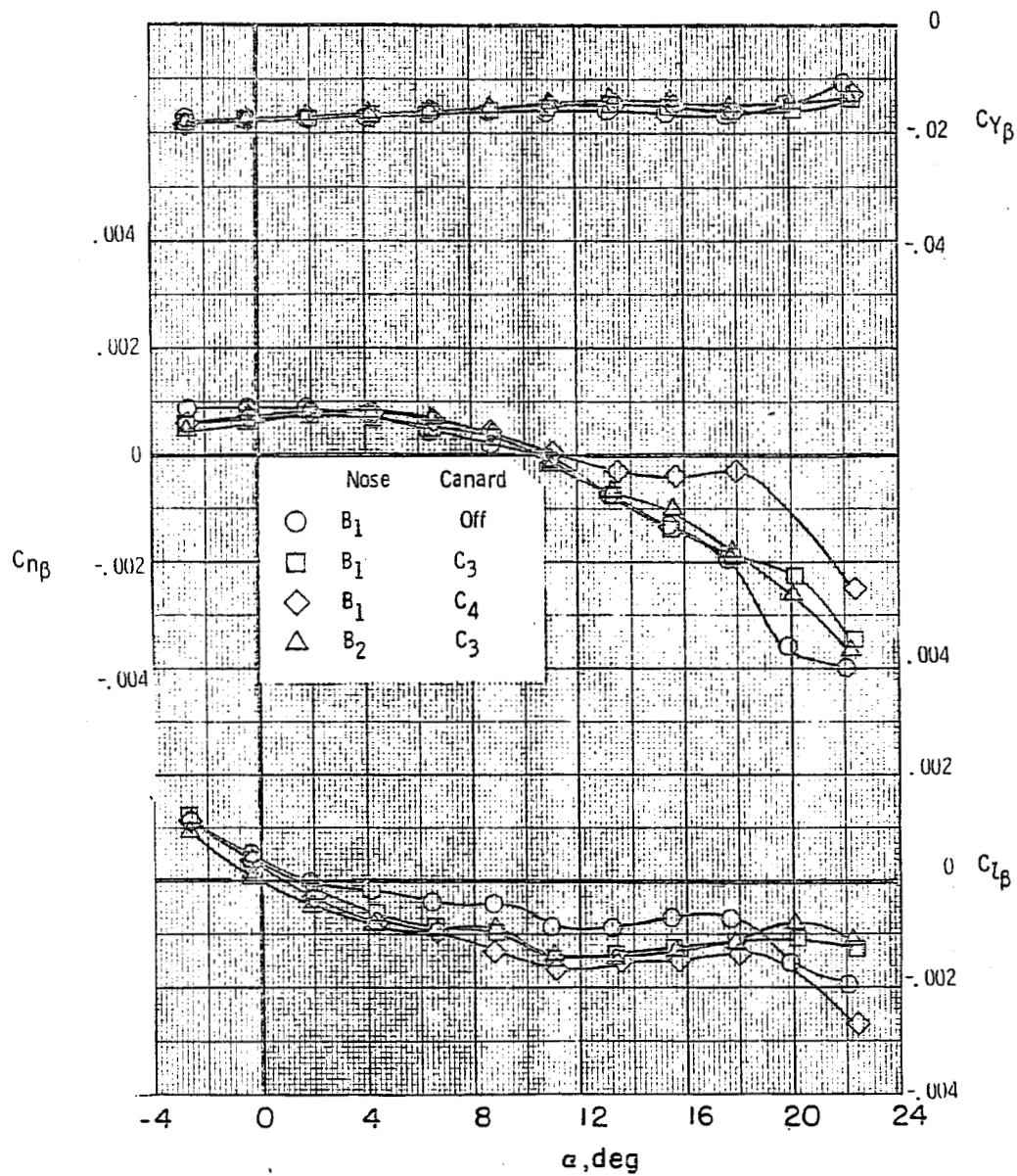
Figure 14. - Effects of fuselage forebody modification B2 and canards C3 and C4 on the lateral-directional aerodynamic characteristics for configuration B1WVS0EF. $\delta_e = -10^\circ$; $\delta_{BF} = -11.7^\circ$; $\delta_{SB} = 0^\circ$.



(b) $M = 0.80$

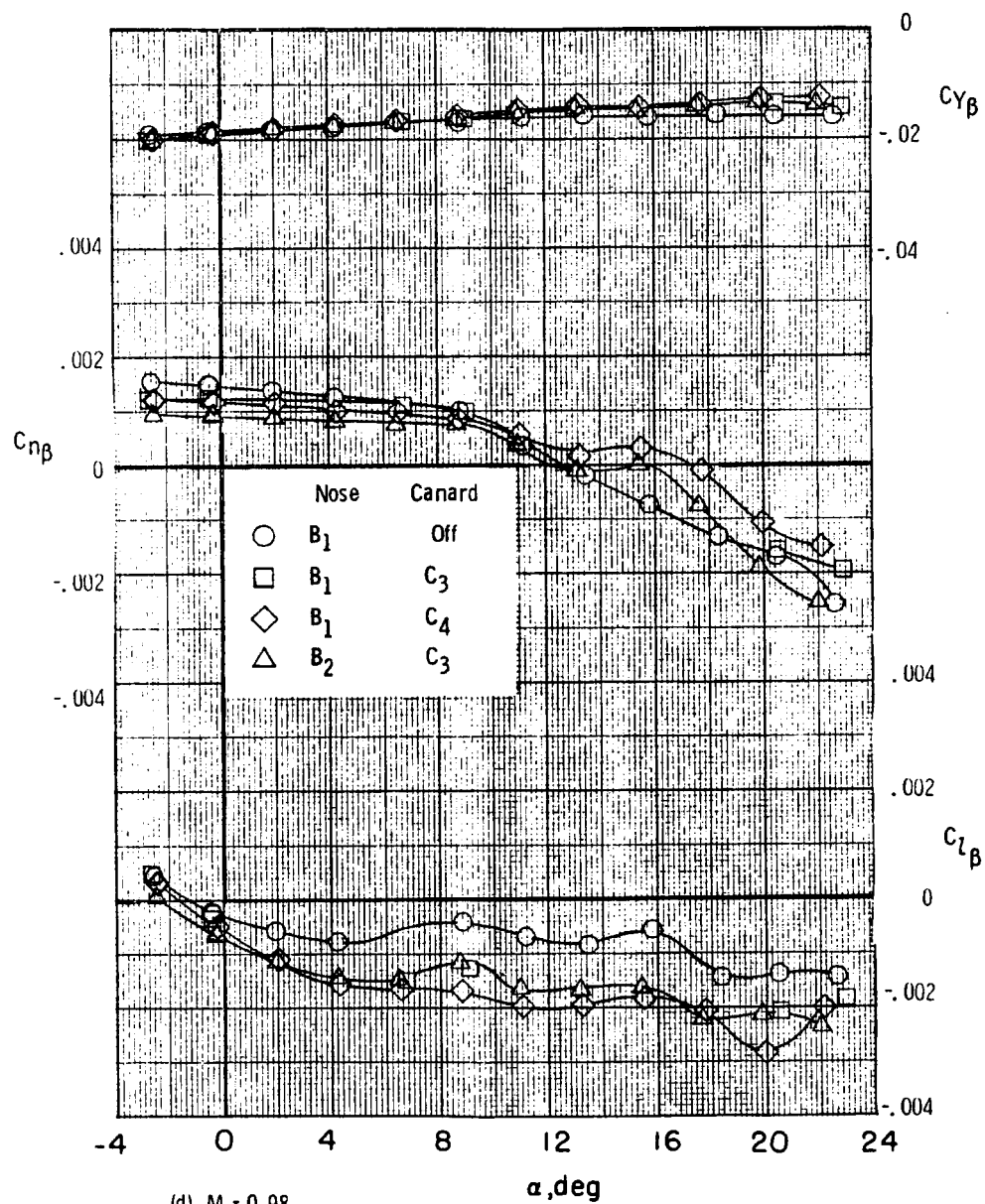
Figure 14. - Continued.

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best available copy



(c) $M = 0.90$

Figure 14. - Continued.



(d) $M = 0.98$
Figure 14. - Continued.

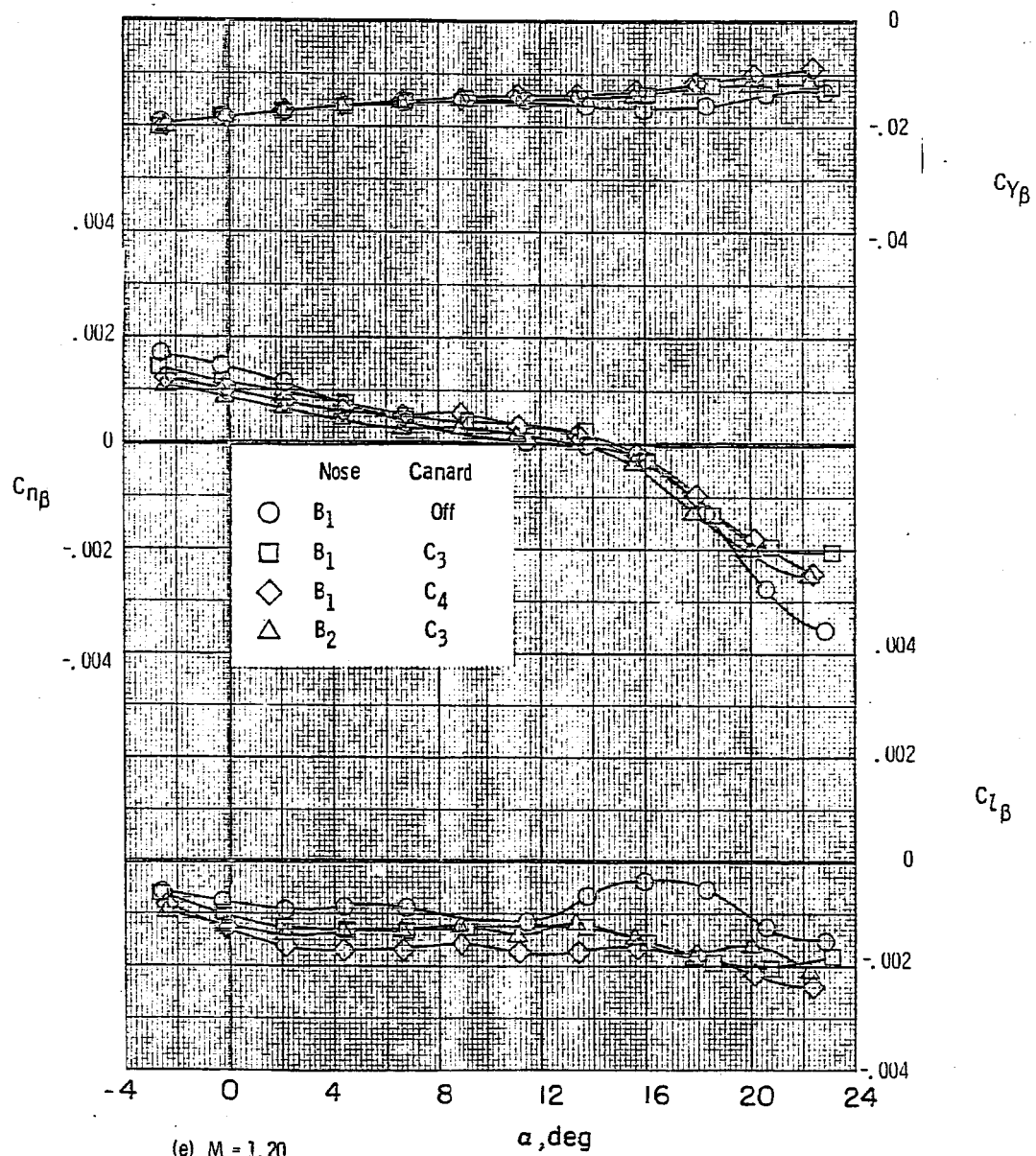


Figure 14. - Concluded.

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APPENDIX

Tabulated Data

The data presented herein are identified in table II (Data Set/Run Number Collation Summary) by configuration and run number. These data are also stored on tape in the Space Shuttle Data System (DATAHAN) and are identified by shuttle test number LA-51 and data set identifier letters PII. Access to the data may be obtained by writing to the following address:

Chrysler Corporation, Space Division
Dept. 2910, P. O. Box 29200
New Orleans, LA 70139

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TABLE II

TEST: LARC-8TPT-684 (LA51)										DATE: 13 JUNE 1974											
DATA SET / RUN NUMBER COLLATION SUMMARY																					
DATA SET IDENTIFIER		CONFIGURATION		SCHD. PARAMETERS/VALUES				NO. OF RUNS		MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)						TEST RUN NUMBERS					
				α β		δE δBF δSB		RUNS		.35		.80		.90		.98		1.20			
R,PHV001		B1	F1M1	W1E1 S0V1		A	0	0	0	0	5	10	9	8	7	6					
02												5	4	3	2	1					
03												20	19	18	17	16					
04							5					25	24	23	22	21					
05							0	-20				15	14	13	12	11					
06								0				40	39	38	37	36					
07								-10				35	34	33	32	31					
08							5					30	29	28	27	26					
09							0	0				85	84	83	82	81					
10								-10				90	89	88	87	86					
11							5	-10				125	124	123	122	121					
12							0	0				135	134	133	132	131					
13								-10				140	139	138	137	136					
14								0				80	79	78	77	76					
15								-10				75	74	73	72	71					
16							5	-10				120	119	118	117	116					
R SETS:																					
BETA		CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D	MACH	ALPHA	1.0								
P SETS:																					
BETA		0 (KPA)	CP1	CP2	CP3	CP4	COEFFICIENT SCHEDULES							MACH	ALPHA	1.0	IDVAR (1)	IDVAR (2)	NDV		
TYPE OF DATA		A: $-2^\circ < \alpha < 20^\circ$; $\Delta\alpha = 2^\circ$																			
α OR β																					
SCHEDULES																					

TABLE II.- CONCLUDED.

TEST: LaRC-8TPT-684 (LA51)										DATE: 13 JUNE 1974																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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LA51 TABULATED SOURCE DATA

LARC87PT-684 (LA-51) (BIF1M1) (WIE150) (V1) (RHV001)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AILRON = .000 BDFLAP = .000
 SPDRK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.349	-2.043	-.00304	-.13788	.05083	.01297	.00173	.00159	.00051	-.13599	.05571	-2.44096
.349	.012	-.00314	-.04484	.05263	.01334	.00217	.00115	.00512	-.04485	.05262	-.85232
.348	2.045	-.00370	.04442	.05107	.01309	.00232	.00124	.00620	.04257	.05262	.80890
.349	4.089	-.00356	.13563	.04620	.01275	.00294	.00104	.00613	.13199	.05576	2.36734
.349	6.128	-.00310	.23874	.03741	.01046	.00255	.00061	.00569	.23338	.06268	3.72346
.349	8.174	-.00429	.33527	.02646	.01078	.00291	.00070	.00810	.32811	.07386	4.44237
.348	10.242	-.00540	.43680	.01504	.00986	.00282	.00144	.00966	.42717	.09247	4.61946
.349	12.277	-.00465	.55419	.00543	.00230	.00233	.00329	.00600	.54037	.12315	4.38795
.349	14.338	-.00571	.68753	.00419	-.00825	.00413	.00305	.00860	.66507	.17432	3.81522
.348	16.402	-.00384	.80838	.00348	-.01731	.00474	.00219	.00376	.77450	.23160	3.34409
.348	18.462	-.00228	.93930	-.00212	-.02569	.00406	.00196	.00272	.89162	.29545	3.01786
.348	20.523	-.00137	1.07355	-.001731	-.03538	.00367	.00422	-.00181	1.00798	.36952	2.72781

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.800	-2.291	-.00591	-.19337	.05578	.03509	.00225	.00116	.00190	-.19098	.06347	-3.00921
.801	-.106	-.00181	-.08388	.05719	.03244	.00210	.00113	-.00031	-.08378	.05734	-1.46197
.800	2.094	.00475	.02726	.05508	.03090	.00230	.00113	-.00389	.02523	.05604	.45017
.801	4.302	.00282	.14559	.05049	.02589	.00245	.00120	-.00292	.14139	.06127	2.30753
.800	6.519	.00240	.26989	.04710	.01864	.00357	.00233	-.00398	.26279	.07743	3.39390
.800	8.706	-.00119	.37731	.04814	.01222	.00321	.00218	-.00184	.36568	.10470	3.49272
.801	10.901	-.00206	.49081	.05225	.00277	.00356	.00229	-.00147	.47207	.14413	3.27534
.800	13.146	-.00334	.62389	.05017	-.00200	.00360	.00251	-.00100	.59613	.19075	3.12515
.800	15.401	-.00197	.76939	.05219	-.01872	.00560	.00212	-.00130	.72790	.25465	2.85844
.801	17.619	-.00205	.89917	.05214	-.02697	.00429	.00220	-.00134	.84121	.32185	2.61366
.800	19.842	-.00226	1.02411	.05245	-.02805	.00446	.00268	-.00176	.94551	.39695	2.30193
.801	21.991	-.00124	1.09631	.05635	-.01185	-.00108	.00487	-.00484	.99544	.46278	2.15097

LA51 TABULATED SOURCE DATA

(RHV001)

LARC8TPT-684(LA-51) (B1F1M1) (W1E1S0) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 ATLON = .000 BDFLAP = .000
 SPDBRK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.900	-2.373	-.00481	-.21929	.07086	.05490	.00213	.00195	.00008	-.21617	.07988	-2.70637
.900	-.107	.00388	-.08179	.07221	.04056	.00242	.00161	-.00369	-.08166	.07236	-1.12843
.900	2.131	.00656	.03707	.07201	.03475	.00122	.00113	-.00443	.03437	.07334	.46866
.901	4.373	.00634	.15816	.07064	.02900	.00161	.00165	-.00493	.15232	.08250	1.84632
.899	6.632	.00205	.28402	.06848	.02088	.00164	.00248	-.00383	.27421	.10082	2.71983
.900	8.860	.00415	.40062	.07114	.01033	.00223	.00320	-.00567	.38488	.13199	2.91587
.900	11.097	.00335	.52663	.07499	-.00784	.00297	.00436	-.00662	.50235	.17495	2.87142
.900	13.367	.00206	.67201	.07508	-.03092	.00372	.00429	-.00592	.63644	.22841	2.78644
.900	15.632	-.00035	.81081	.07662	-.04756	.00317	.00368	-.00404	.76017	.29227	2.60095
.899	17.884	-.00085	.93801	.07736	-.05394	.00182	.00351	-.00358	.86893	.36168	2.40247
.900	20.114	.00230	1.04370	.08097	-.05343	.00087	.00550	-.00747	.95220	.43496	2.18917
.901	21.107	.00358	1.08786	.08363	-.03873	.00048	.00514	-.00771	.98476	.46977	2.09628

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.980	-2.367	-.00528	-.21914	.12103	.06772	.00223	.00243	-.00044	-.21396	.12997	-1.64619
.980	-.072	.00232	-.07423	.12183	.04623	.00227	.00206	-.00338	-.07408	.12192	-.60739
.980	2.201	.00757	.06928	.12068	.02592	.00201	.00206	-.00571	.06459	.12325	.52408
.980	4.510	.00689	.21439	.11790	.00752	.00204	.00275	-.00620	.20446	.13440	1.52132
.980	6.791	.00556	.35071	.11550	-.00950	.00161	.00344	-.00641	.33459	.15616	2.14257
.980	9.076	.00709	.49104	.11696	-.02984	.00263	.00427	-.00806	.46644	.19296	2.41729
.980	11.359	.00361	.63629	.12140	-.05303	.00225	.00405	-.00626	.59992	.24434	2.45523
.980	13.655	.00441	.77640	.12614	-.07241	.00270	.00394	-.00652	.72467	.30587	2.36925
.979	15.938	.00437	.91364	.12816	-.08962	.00237	.00452	-.00718	.84332	.37412	2.25416
.979	18.277	-.00342	1.07509	.13140	-.11300	-.00023	.00406	-.00305	.97965	.46193	2.12079
.982	20.569	-.00169	1.23153	.13629	-.13942	-.00243	.00460	-.00438	1.10513	.56028	1.97246
.980	22.795	-.00597	1.31723	.13237	-.12252	-.00167	.00441	-.00218	1.16306	.63237	1.83921

LA51 TABULATED SOURCE DATA

(RHV001)

LARC6TPT-684 (LA-51) (B1F1M1) (W1E1S0) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 ATLRON = .000 BDFLAP = .000
 SPDBRK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
1.200	-2.362	-.00594	-.19982	.13720	.06874	.00155	.00170	.00035	-.19374	.14538	-1.33264
1.201	-.038	.00050	-.04800	.13714	.03452	.00148	.00163	-.00206	-.04791	.13717	-.34920
1.200	2.271	.00431	.09601	.13990	.00360	.00173	.00119	-.00303	.09043	.14260	.63415
1.200	4.593	.00423	.23932	.13971	-.02470	.00164	.00117	-.00297	.22737	.15843	1.43515
1.200	6.905	.00353	.37424	.13820	-.04532	.00277	.00174	-.00336	.35491	.18219	1.94797
1.200	9.208	-.00030	.50119	.13658	-.05993	.00083	.00142	-.00151	.47288	.21500	2.19945
1.200	11.549	-.00372	.64777	.13632	-.08111	.00141	.00180	-.00059	.60736	.26325	2.30713
1.200	13.881	-.00456	.79628	.13671	-.10475	.00145	.00233	-.00085	.74023	.32375	2.28642
1.200	16.195	-.00247	.92307	.13861	-.11868	.00146	.00240	-.00175	.84778	.39055	2.17071
1.199	18.478	-.00069	1.04126	.13983	-.12845	.00028	.00215	-.00218	.94325	.46264	2.03804
1.199	20.726	-.00335	1.13817	.13746	-.12357	-.00030	.00189	-.00078	1.01586	.53136	1.91182
1.199	22.976	-.00169	1.24113	.13559	-.12563	-.00092	.00372	-.00355	1.08974	.60930	1.78852

(RHV002)

LARC6TPT-684 (LA-51) (B1F1M1) (W1E1S0) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 ATLRON = .000 BDFLAP = -11.700
 SPDBRK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.349	-2.061	-.00341	-.16819	.05369	.03233	.00175	.00071	.00618	-.16615	.05970	-2.78300
.349	-.019	-.00071	-.07956	.05526	.03264	.00226	-.00004	.00149	-.07954	.05529	-1.43980
.349	2.015	.00103	.01112	.05303	.03237	.00251	-.00019	-.00189	.00922	.05419	.17009
.350	4.063	-.00048	.10983	.04873	.03183	.00248	.00022	.00074	.10610	.05639	1.88156
.351	6.097	-.00090	.20084	.04042	.03079	.00236	-.00029	.00216	.19541	.06152	3.17616
.350	8.146	-.00250	.30213	.02976	.03125	.00264	.00042	.00467	.29487	.07227	4.08003
.350	10.216	-.00142	.40587	.01801	.03286	.00264	-.00001	.00295	.39624	.08971	4.41665
.350	12.250	-.00188	.51967	.00807	.02533	.00179	.00086	.00295	.50613	.11015	4.28369
.350	14.328	-.00237	.64787	.00635	.01437	.00321	.00153	.00324	.62615	.16649	3.76085
.349	16.384	-.00098	.77092	.00484	.00475	.00444	.00060	.00131	.73825	.22210	3.32397
.349	18.431	-.00107	.89634	-.00029	-.00352	.00314	.00038	.00188	.85046	.28312	3.00389
.350	20.465	.00037	1.03008	-.00510	-.01179	.00201	.00203	-.00311	.96673	.35572	2.71769

LAS1 TABULATED SOURCE DATA

LARCOTPT-694(LA-51) (B1F1M1) (MIE1S0) (V1)

(RHV002)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AIRRON = .000 BDFLAP = -11.700
 SPDBRK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.801	-2.339	-.00350	-.22057	.05860	.05458	.00197	.00079	.00100	-.21799	.06755	-3.22710
.801	-1.132	.00360	-.11069	.06003	.05218	.00216	.00079	-.00287	-.11056	.06029	-1.83375
.801	2.059	.00539	.00119	.05813	.05071	.00224	.00083	.00389	-.00090	.05814	-.01547
.801	4.267	.00486	.11930	.05333	.04595	.00229	.00075	-.00351	.11498	.06226	1.84672
.801	6.478	.00317	.23990	.05031	.03941	.00343	.00176	-.00375	.23269	.07705	3.01986
.800	8.705	.00150	.34665	.05151	.03428	.00330	.00162	-.00268	.33487	.10338	3.23932
.801	10.872	-.00087	.45922	.05535	.02671	.00278	.00176	-.00153	.44053	.14097	3.12508
.801	13.097	-.00142	.58679	.05460	.02200	.00298	.00181	-.00127	.55915	.18614	3.00388
.801	15.353	.00184	.73289	.05681	.00567	.00567	.00160	-.00287	.69170	.24883	2.77984
.801	17.569	.00172	.86106	.05704	.00047	.00433	.00172	-.00295	.80368	.31430	2.55705
.800	19.789	.00321	.97593	.05796	.00339	.00305	.00213	-.00430	.89868	.36495	2.33452
.801	21.917	-.00010	1.04682	.06147	.01893	-.00103	.00405	-.00457	.94821	.44777	2.11765

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.900	-2.386	-.00210	-.24130	.07362	.07261	.00216	.00156	-.00078	-.23801	.08364	-2.84563
.900	-1.133	.00947	-.10537	.07419	.05863	.00280	.00138	-.00611	-.10519	.07443	-1.41328
.900	2.109	.00930	.01500	.07437	.05326	.00113	.00066	-.00521	.01225	.07488	.16359
.900	4.355	.00917	.13307	.07290	.04803	.00156	.00124	-.00583	.12718	.08275	1.53692
.900	6.577	.00544	.26006	.07185	.04018	.00146	.00222	-.00516	.25012	.10117	2.47235
.900	8.815	.00519	.37638	.07465	.03025	.00169	.00305	-.00600	.36049	.13145	2.74239
.901	11.083	.00676	.50776	.07948	.01112	.00282	.00419	-.00809	.48301	.17560	2.75059
.901	13.338	.00555	.64923	.08115	-.01035	.00332	.00452	-.00790	.61299	.22874	2.67991
.900	15.584	.00592	.78294	.08304	-.02410	.00325	.00375	-.00723	.73184	.29032	2.52080
.900	17.840	.00290	.90581	.08427	-.03038	.00166	.00368	-.00566	.83643	.35772	2.33823
.900	20.056	.00554	1.00793	.08799	-.02701	.00059	.00541	-.00901	.91663	.42831	2.14011
.901	22.203	.00710	1.05888	.08823	.01226	-.00099	.00614	-.01068	.94702	.48183	1.96546

LARS TABULATED SOURCE DATA

LARCOTPT-604 (LA-51) (B1F1M1) (M1E1S0) (V1)

(RHW02)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AIRLEN = .000 BDFLAP = -11.700
 CPDRK = .000

RUN NO. 2/0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.801	-2.417	-.00100	-.23159	.12379	.07415	.00235	.00239	-.00192	-.22644	.13546	-1.67103
.821	-2.120	-.00033	-.09144	.12652	.05496	.00208	.00199	-.00552	-.09116	.12742	-.71739
.840	2.120	.00075	.05468	.12540	.03582	.00201	.00186	-.00687	.04987	.12747	.39120
.860	4.452	.00106	.16892	.12524	.02126	.00197	.00268	-.00796	.10342	.13793	1.32980
.880	6.754	.00071	.32820	.12004	.00708	.00168	.00348	-.00830	.11183	.15775	1.97675
.900	9.057	.00107	.47007	.11962	-.01187	.00259	.00424	-.00960	.44617	.19226	2.32266
.920	11.317	.00448	.60992	.12502	-.03190	.00151	.00374	-.00630	.57294	.24012	2.39622
.940	13.025	.00636	.75403	.12730	-.05160	.00259	.00406	-.00754	.70280	.30142	2.33182
.960	15.916	.00470	.89456	.13046	-.03815	.00205	.00443	-.00723	.82450	.37077	2.28377
.975	18.156	-.00043	1.04189	.13333	-.08918	-.00053	.00364	-.00306	.94815	.45201	2.09764
.990	20.502	.00303	1.19761	.13485	-.11292	-.00261	.00489	-.00703	1.07452	.54576	1.96886
.979	22.740	-.00454	1.28435	.13286	-.09573	-.00237	.00416	-.00252	1.13316	.61940	1.83063

RUN NO. 1/0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
1.200	-2.416	-.00615	-.21101	.14034	.07868	.00136	.00202	.00007	-.20491	.14911	-1.37417
1.201	-1.099	-.00246	-.06320	.14034	.04599	.00134	.00167	-.00309	-.06295	.14045	-.44822
1.201	2.222	.00751	.08036	.13940	.01648	.00167	.00142	-.00453	.07490	.14241	.52593
1.200	4.550	.00679	.22530	.13856	-.01060	.00160	.00139	-.00422	.21360	.15599	1.36933
1.200	6.888	.00745	.35747	.13657	-.02500	.00277	.00195	-.00512	.33651	.17846	1.89687
1.201	9.161	.00168	.40451	.13491	-.04419	.00068	.00156	-.00252	.45685	.21033	2.17206
1.201	11.517	-.00063	.63853	.13547	-.06452	.00114	.00180	-.00182	.58883	.25623	2.28028
1.200	13.848	.00002	.77536	.13639	-.08662	.00132	.00227	-.00260	.72018	.31800	2.26474
1.200	16.150	.00133	.90224	.13854	-.10041	.00128	.00222	-.00328	.82810	.36403	2.15634
1.200	18.428	-.00129	1.02068	.13957	-.10910	.00028	.00246	-.00229	.92422	.43507	2.03094
1.200	20.666	-.00268	1.11362	.13726	-.10383	-.00042	.00195	-.00113	.99351	.52145	1.90527
1.200	22.959	.00001	1.21566	.13450	-.10262	.00054	.00323	-.00370	1.06690	.59803	1.78402

LA51 TABULATED SOURCE DATA

(RHV003)

LARC8TPT-684 (LA-51) (B1F1M1) (M1E1SD) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPOBRK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.350	-2.218	-.00328	-.35981	.05643	.12015	.00041	-.00020	.00693	-.35736	.07032	-5.08207
.350	-.167	-.00160	-.27195	.05914	.11759	.00063	-.00004	.00331	-.27178	.05993	-4.53466
.350	.061	-.00170	-.25641	.05913	.11709	.00084	-.00027	.00377	-.25647	.05886	-4.35745
.350	2.063	-.00087	-.17028	.05675	.11871	.00090	-.00079	.00268	-.17228	.05258	-3.27647
.350	3.894	-.00147	-.08639	.05520	.11909	.00079	-.00074	.00385	-.08994	.04920	-1.82799
.350	6.002	-.00211	.01374	.04762	.12007	.00087	-.00092	.00538	.00868	.04879	.17794
.350	8.048	-.00264	.10706	.03830	.12048	.00095	-.00113	.00673	.10064	.05291	1.90197
.350	10.027	-.00334	.20717	.02797	.12139	.00104	-.00110	.00702	.19914	.06361	3.13049
.349	12.120	-.00303	.32194	.01829	.11746	.00039	-.00046	.00581	.31092	.08548	3.63754
.350	14.044	-.00294	.43718	.01412	.10759	.00126	.00108	.00494	.42068	.11979	3.51185
.350	16.491	-.00378	.58085	.01007	.09693	.00241	.00089	.00702	.55410	.17453	3.17478
.349	18.518	-.00163	.70867	.00279	.08768	.00274	.00008	.00342	.67109	.22773	2.94690
.349	20.438	-.00140	.84019	-.00379	.07707	.00124	.00106	.00185	.78863	.28984	2.72095

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.801	-2.581	-.00723	-.40373	.06902	.14692	.00120	.00035	.00354	-.40221	.08722	-4.61160
.800	-.368	-.00315	-.27707	.07047	.13706	.00101	.00016	.00154	-.27661	.07225	-3.82859
.801	1.918	.00246	-.16008	.06877	.13266	.00100	.00011	-.00147	-.16229	.06337	-2.56112
.800	3.949	.00178	-.05251	.06426	.12929	.00115	.00013	-.00112	-.05681	.06050	-.93901
.800	6.184	.00056	.06956	.05822	.12424	.00034	.00046	-.00084	.06289	.06537	.96199
.800	8.385	-.00194	.18957	.05641	.11820	.00090	.00105	-.00013	.17932	.08345	2.14872
.801	10.677	-.00354	.30745	.05902	.11717	.00160	.00125	.00053	.29119	.11497	2.53289
.800	12.812	-.00555	.40050	.06058	.12405	.00156	.00078	.00207	.37710	.14788	2.54996
.800	14.888	-.00467	.51019	.06323	.12096	.00282	.00050	.00207	.47682	.19219	2.48092
.800	17.349	-.00215	.64430	.06313	.11960	.00370	.00081	.00030	.59616	.25239	2.36210
.800	19.458	-.00199	.76666	.06220	.11832	.00419	.00163	-.00071	.70215	.31403	2.23591
.801	21.735	-.00249	.89340	.06297	.11399	.00083	.00286	-.00181	.80656	.38933	2.07164

LAS1 TABULATED SOURCE DATA

(RHV003)

LARC01PT-084 (LA-31) (01F1H1) (MIE1S0) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AIRCON = .000 BOFLAP = -11.700
 SPDBRK = .000

RUN NO. 18/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.099	-2.667	-.00546	-.41028	.09055	.16884	.00123	.00032	.00191	-.41361	.10992	-3.76234
.099	-.382	-.00246	-.27515	.08170	.15337	.00156	.00049	.00062	-.27454	.09354	-2.53521
.900	1.810	.00515	-.13898	.09227	.13892	.00162	.00006	-.00254	-.14176	.08583	-1.65154
.899	3.989	.00586	-.00991	.08675	.12501	.00119	.00078	-.00327	-.01592	.08285	-.18544
.895	6.217	.00227	.13293	.08564	.11253	.00177	.00129	-.00257	.12293	.08776	1.25745
.893	8.556	.00173	.25894	.08363	.10442	.00125	.00164	-.00272	.24381	.12123	2.00934
.900	10.928	-.00192	.40445	.08483	.08217	.00195	.00212	-.00148	.38103	.15997	2.38192
.911	13.092	-.00083	.52032	.08607	.06835	.00160	.00213	-.00203	.49750	.20173	2.41659
.900	15.340	-.00032	.64115	.08358	.05022	.00170	.00188	-.00120	.59541	.29310	2.35243
.900	17.559	-.00000	.75970	.08622	.05709	.00129	.00236	-.00152	.69837	.31142	2.24251
.893	19.746	.00096	.86209	.08837	.06258	-.00022	.00437	-.00546	.78154	.37444	2.00728
.899	21.659	-.00056	.91596	.08346	.10453	-.00336	.00499	-.00541	.81449	.42933	1.89710

RUN NO. 17/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.901	-2.566	-.00582	-.40539	.14080	.10370	.00103	.00035	.00149	-.39968	.15865	-2.51201
.901	-.406	.00318	-.20318	.13838	.15999	.00193	.00112	-.00260	-.26000	.14063	-1.08435
.901	1.875	.00724	-.11311	.13650	.13653	.00144	.00105	-.00440	-.11751	.13272	-.88540
.901	4.110	.00533	.03015	.13429	.11707	.00102	.00140	-.00396	.02043	.13611	.15003
.901	6.471	.00554	.18272	.13274	.09389	.00177	.00208	-.00484	.16630	.15249	1.09253
.901	8.720	.00492	.32358	.13295	.07674	.00103	.00222	-.00473	.29968	.18047	1.66057
.901	11.047	.00277	.48301	.13448	.04752	.00106	.00292	-.00459	.44830	.22450	1.99605
.900	13.395	.00498	.62561	.13680	.03243	.00124	.00320	-.00591	.57690	.27801	2.07500
.901	15.765	.00257	.76720	.13655	.01904	.00117	.00315	-.00478	.70125	.33935	2.06337
.979	18.242	.00089	.91940	.13450	.00106	-.00116	.00436	-.00540	.83110	.41571	1.99825
.900	20.501	-.00192	1.07174	.13309	-.02024	-.00421	.00320	-.00284	.95725	.50000	1.91449
.900	22.540	-.01326	1.16398	.12952	-.01207	-.00498	.00129	.00406	1.02534	.56596	1.81169

142

LA51 TABULATED SOURCE DATA

(RHV003)

LARC8PT-684(LA-51) (B1F1M1) (M1E1S0) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SFCBRK = .000

PUR NO. 16/0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
1.200	-2.840	-0.0069	-0.33029	.16106	.19049	.00095	.00149	.00008	-.32250	.17614	-1.83089
1.200	-2.952	-0.0154	-0.17322	.16331	.11851	.00117	.00152	-.00234	-.17820	.16164	-1.10250
1.200	2.002	.00675	-0.00615	.15721	.08338	.00121	.00116	-.00394	-.03276	.15803	-.22919
1.200	4.271	.00558	.10637	.15432	.06257	.00067	.00108	-.00339	.09456	.16201	.58359
1.200	6.328	.00540	.24804	.15145	.04038	.00127	.00163	-.00397	.22890	.17907	1.27626
1.200	8.037	.00225	.38863	.14756	.01918	.00022	.00139	-.00247	.36212	.20574	1.76005
1.200	11.451	-0.00093	.53963	.14423	.00030	.00034	.00153	-.00139	.50036	.24913	2.00841
1.199	13.710	.00078	.08089	.14331	-.02018	.00557	.00219	-.00282	.62705	.30255	2.07230
1.200	15.312	-0.00507	.79917	.14177	-.03409	-.00029	.00113	.00075	.73030	.35416	2.06208
1.200	18.103	-0.00267	.91945	.13967	-.04216	-.00021	.00188	-.00106	.83039	.41936	1.97842
1.199	20.442	-0.00212	1.02864	.13583	-.04379	-.00075	.00198	-.00100	.91542	.48656	1.88348
1.199	22.715	.00036	1.12460	.13219	-.03866	.00033	.00366	-.00447	.98594	.55712	1.76972

(RHV004)

LARC8PT-684(LA-51) (B1F1M1) (M1E1S0) (V2)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SFCBRK = .000

RUN NO. 25/0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.350	-2.101	5.02946	-0.18246	.09341	.11838	.00252	.00256	-.06900	-.35026	.06631	-5.28199
.350	-1.135	5.03309	-0.26561	.09337	.11494	.00139	.00207	-.07132	-.26547	.05699	-4.65792
.350	1.979	5.03280	-0.17284	.09653	.11732	.00046	.00098	-.07418	-.17459	.05053	-3.45721
.349	4.065	5.02167	-0.07132	.09512	.11856	-.00083	.00140	-.07511	-.07511	.04791	-1.56773
.349	6.181	5.00697	.02515	.04558	.11765	-.00221	.00156	-.07559	.02109	.04813	.43813
.350	8.184	4.98336	.11339	.03635	.11846	-.00349	.00191	-.07229	.11201	.05283	2.12025
.350	10.270	4.95465	.21854	.02536	.11828	-.00460	.00206	-.07362	.21051	.06392	3.29346
.349	12.354	4.91932	.33911	.01500	.11354	-.00500	.00235	-.07496	.32805	.08720	3.76190
.349	14.312	4.88097	.45156	.01333	.10338	-.00458	.00391	-.07913	.43425	.12454	3.48687
.349	16.377	4.83464	.57663	.00696	.09648	-.00397	.00458	-.08313	.55127	.16926	3.05704
.346	18.406	4.78113	.69403	.00043	.08871	-.00467	.00549	-.08361	.65844	.21957	2.99882
.346	20.538	4.71900	.83413	-.00602	.07954	-.00293	.00315	-.09351	.78273	.28837	2.71436

LAS1 TABULATED SOURCE DATA

LARCOTPT-604 (LA-51) (B1F1W1) (M1E1S0) (V1) (RHV004)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 ATLORN = .000 BDFLAP = -11.700
 SPDBRK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.801	-2.322	5.13965	-.40373	.06663	.14290	.00531	.00494	-.00454	-.40041	.08433	-4.74823
.800	-.342	5.14743	-.28181	.06890	.13352	.00273	.00468	-.08591	-.28139	.07058	-3.98698
.800	1.048	5.14718	-.16797	.06803	.12906	.00076	.00402	-.06555	-.17007	.06258	-2.71774
.800	4.097	5.13505	-.05054	.06357	.12743	-.00082	.00347	-.08487	-.05495	.05979	-.91898
.800	6.331	5.11382	.07666	.05662	.12286	-.00338	.00404	-.08392	.06995	.06473	1.08068
.799	8.322	5.08726	.19912	.05390	.11555	-.00389	.00367	-.08285	.18894	.08282	2.28139
.800	10.767	5.05196	.30661	.05619	.11726	-.00299	.00339	-.08154	.29072	.11248	2.58461
.800	12.931	5.01586	.40840	.05942	.11893	-.00420	.00196	-.08186	.38475	.14931	2.57692
.800	15.040	4.97695	.51351	.06065	.12068	-.00442	.00075	-.08426	.48018	.19183	2.50317
.800	17.465	4.92685	.64548	.05898	.11768	-.00400	-.00100	-.08627	.59803	.24998	2.39226
.800	19.752	4.86554	.79505	.05527	.10871	-.00353	-.00398	-.08732	.72959	.32070	2.27496
.800	21.825	4.79138	.86448	.05222	.12794	-.01055	-.00871	-.07714	.78161	.37359	2.09216

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.900	-2.598	5.17136	-.41832	.08806	.16195	.00691	.00487	-.09017	-.41390	.10693	-3.87083
.901	-.400	5.16226	-.27870	.09067	.14708	.00403	.00486	-.09285	-.27806	.09261	-3.00242
.901	1.872	5.16290	-.13737	.08982	.13180	.00143	.00448	-.09388	-.14023	.08529	-1.64416
.899	4.227	5.17251	.00463	.08559	.11825	.00017	.00425	-.09426	-.00170	.08570	-.01978
.899	6.510	5.14489	.14410	.08123	.10781	-.00134	.00332	-.08916	.13396	.09704	1.38039
.900	8.875	5.11437	.27239	.08193	.10035	-.00201	.00244	-.08705	.25649	.12298	2.08566
.900	10.980	5.08132	.40261	.08297	.08373	-.00350	.00165	-.08598	.37944	.15814	2.39935
.900	13.323	5.04206	.53185	.08269	.06615	-.00284	-.00180	-.08454	.49848	.20303	2.45522
.900	15.504	5.00124	.64320	.08152	.06051	-.00184	-.00485	-.08503	.59800	.25049	2.38738
.899	17.786	4.95029	.76394	.08074	.05757	-.00331	-.00748	-.08610	.70276	.31023	2.26527
.899	20.010	4.88392	.85569	.08003	.07315	-.00778	-.01330	-.07803	.77493	.37271	2.07921
.899	22.157	4.77795	.91918	.09190	.11113	-.01272	-.01421	-.05895	.81665	.43177	1.89138

LAS1 TABULATED SOURCE DATA

LARCOTPT-684 (LA-51) (BIF1M1) (MIE1SD) (V1)

(RHV024)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 ALURON = .000 BOFLAP = -11.700
 SPDSRK = .000

RUN NO. 22/ 0

BACH	ALPHA	BETA	CN	CA	CLM	CSL	CYN	CY	CL	CD	L/D
.981	-2.614	5.19877	-4.1362	.14101	.17547	.00410	.00375	-.10507	-.40976	.15973	-2.54561
.982	-3.35	5.20353	-2.26127	.13898	.15269	.00377	.00367	-.10240	-.26943	.14500	-1.85239
.983	5.574	5.20642	-1.11502	.13666	.13273	.00159	.00797	-.10155	-.11995	.13201	-.90232
.985	4.316	5.18877	.03657	.13324	.11335	-.00305	.00765	-.00493	.02644	.13561	.19496
.980	7.458	5.15086	.23940	.13056	.08737	-.00304	.00704	-.00397	.02043	.16053	1.37313
.980	8.918	5.13101	.32944	.12550	.07570	-.00234	.00715	-.00570	.00492	.18197	1.07568
.979	11.293	5.08691	.49858	.12333	.04662	-.00367	.00455	-.08770	.06301	.22740	2.03608
.979	13.565	5.04722	.63379	.12200	.03245	-.00302	.00207	-.08951	.05510	.27716	2.11106
.979	15.847	5.00075	.77252	.12513	.02037	-.00164	.00095	-.08643	.00790	.33517	2.11200
.979	18.463	4.92940	.93803	.12897	.00205	-.00207	-.00206	-.00073	.06890	.41945	2.02405
.979	20.427	4.81334	1.03382	.12951	-.00637	-.00105	-.00010	-.00010	.00210	.47015	1.92482
.979	22.705	4.73461	1.15769	.12917	.00102	-.00135	-.00117	-.00349	1.01812	.56605	1.79878

RUN NO. 21/ 0

BACH	ALPHA	BETA	CN	CA	CLM	CSL	CYN	CY	CL	CD	L/D
.981	-2.543	5.22781	-3.3053	.15080	.14700	-.00210	.00510	-.10161	-.12500	.17531	-3.07265
.980	-2.266	5.23005	-1.84015	.15033	.11760	-.00250	.00594	-.09009	-.10030	.16110	-1.11724
.980	2.110	5.22217	-0.03319	.15702	.00720	-.00300	.00585	-.00380	-.05983	.15571	-2.8013
.980	4.486	5.19936	.11459	.15308	.00000	-.00300	.00407	-.00000	.10021	.15117	.63025
.980	6.059	5.17275	.25725	.15046	.03391	-.00000	.00347	-.00335	.05741	.18015	1.31703
.980	9.450	5.13702	.41351	.14812	.07730	-.00000	.00307	-.00425	.06357	.21402	1.79213
.980	11.435	5.09940	.52955	.14523	.08277	-.00000	.00307	-.00425	.09024	.24733	1.98333
.980	15.378	5.06674	.67019	.14358	-.01500	-.00000	.00193	-.00449	.01671	.29005	2.08215
.980	15.000	5.01931	.80300	.13966	-.02581	-.00000	-.00000	-.00336	.03203	.25300	2.01004
.980	18.435	4.95920	.92811	.13000	-.03000	-.00000	-.00000	-.00000	.03747	.22211	1.90011
.980	20.724	4.87914	1.03898	.13454	-.03600	-.00000	-.00000	-.00000	.01805	.24100	1.70701
.980	22.975	4.81111	1.13146	.13073	-.04500	-.00000	-.00000	-.00000	.00000	.25005	1.75057

LA51 TABULATED SOURCE DATA

LARC8TPT-684 (LA-51) (B1F1M1) (W1E1SG) (V1)

(RHV005)

PARAMETRIC DATA

BETA = .000 ELEVTR = -20.000
 AILRON = .000 BOFLAP = -11.700
 SPDBRK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.350	-2.181	-.00505	-.50749	.07883	.16340	-.00228	.00094	.00923	-.50412	.09908	-5.13976
.350	-.137	-.00375	-.41512	.08261	.16085	-.00213	.00049	.00707	-.41492	.08361	-4.96272
.350	1.907	-.00265	-.32566	.08312	.18244	-.00233	.00030	.00505	-.32824	.07224	-4.54363
.350	3.941	-.00278	-.23468	.08061	.18314	-.00234	.00039	.00321	-.23966	.06429	-3.72780
.351	5.994	-.00500	-.14718	.07449	.18597	-.00280	.00008	.01011	-.15415	.05871	-2.62554
.350	8.028	-.00434	-.05919	.06487	.19033	-.00207	.00016	.00373	-.06767	.05997	-1.20915
.350	10.079	-.00532	.02010	.05466	.19830	.00030	.00013	.01085	.01022	.05733	.17834
.350	12.141	-.00423	.12770	.04478	.19833	.00021	.00065	.00805	.11543	.07064	1.63409
.351	14.193	-.00344	.23513	.03842	.19490	.00084	.00210	.00480	.21853	.09490	2.30272
.350	16.237	-.00377	.35113	.03493	.18989	.00172	.00145	.00634	.32736	.13172	2.48529
.351	18.287	-.00390	.47769	.02827	.16223	.00259	.00117	.00700	.44469	.17673	2.51624
.350	20.360	-.00347	.61411	.02143	.17210	.00075	.00249	.00467	.56809	.23376	2.43111

RUN NO. 14/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.800	-2.725	-.01006	-.53136	.10132	.20234	.00050	.00057	.00485	-.52594	.12647	-4.15872
.800	-.511	-.00156	-.39943	.10112	.19610	.00087	.00062	.00515	-.39852	.10468	-3.80694
.800	1.685	.00200	-.27802	.09853	.17346	.00131	.00031	.00145	-.63170	.09529	-3.11988
.801	3.920	.00112	-.15496	.09289	.17090	.00102	.00043	-.00110	-.16095	.08208	-1.95080
.800	6.143	-.00320	-.02855	.08523	.16526	.00059	.00074	.00125	-.03740	.08069	-.96744
.800	8.379	-.00345	.10033	.07810	.15501	-.00042	.00008	.00078	.09579	.09305	1.52046
.800	10.630	-.00416	.24231	.07550	.14511	-.00010	.00054	.00077	.22422	.11850	1.88537
.801	12.830	-.00456	.36534	.07586	.14237	-.00067	.00159	.00074	.32937	.15511	2.18791
.799	15.039	-.00438	.49148	.07442	.13546	-.00007	.00067	.00171	.45533	.19539	2.26364
.799	17.277	-.00394	.62102	.07177	.13072	.00116	.00098	.00113	.57172	.25230	2.25900
.799	19.487	-.00075	.74364	.07132	.12969	-.00090	.00163	-.00143	.67725	.31331	2.14780
.799	21.685	.00808	.82815	.07772	.14347	.00027	.00412	-.00935	.74081	.37821	1.95873

LAST TABULATED SOURCE DATA

LASCRIPT-884 (LA-51) (21F14) (0415ND) (04)

(RHV005)

PARAMETRIC DATA

BETA = .000 ELEVTR = -20.000
 ALLCON = .000 BDFLAP = -11.700
 SPD3RK = .000

WACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.884	-2.622	-.00736	-.53427	.18787	.22866	.00025	.00102	.00237	-.54722	.15329	-3.52372
.885	-2.674	-.00736	-.41675	.19220	.22882	.00060	.00041	-.00104	-.40948	.13029	-3.14284
.886	1.682	.00399	-.07244	.12217	.18193	.00032	.00004	-.00196	-.27593	.11407	-2.41891
.887	3.956	.00755	-.12011	.11558	.17449	.00018	.00013	-.00258	-.13678	.10640	-1.28548
.888	6.205	.00943	.02786	.10778	.15553	-.00028	.00065	.01595	.01595	.11017	.14481
.889	8.554	.00224	.18131	.10432	.13694	-.00027	.00164	-.00298	.16387	.13016	1.25899
.890	10.831	-.00225	.31628	.10541	.12570	.00067	.00224	-.00148	.29065	.16395	1.77280
.891	13.121	-.00164	.42907	.10372	.06132	.00075	.00210	-.00159	.44594	.21045	2.11900
.892	15.337	-.00477	.59715	.10290	.04414	.00165	.00174	.00034	.54867	.25718	2.13343
.893	17.587	-.00482	.72134	.10211	.07648	.00007	.00199	.00015	.65796	.31354	2.03848
.894	19.829	.00312	.83290	.10149	.07912	-.00051	.00331	-.00537	.74910	.37798	1.98184
.895	21.947	.00136	.87456	.10725	.12373	-.00140	.00408	-.00537	.77109	.42634	1.80862

WACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.896	-2.557	-.00750	-.55002	.18702	.24706	.00135	.00093	.00336	-.54076	.21232	-2.54694
.897	-2.436	-.00044	-.40553	.18277	.22625	.00165	.00059	-.00042	-.40413	.18586	-2.17440
.898	1.780	.00239	-.26473	.17664	.20745	.00237	.00036	-.00182	-.27009	.16833	-1.60452
.899	4.015	.00260	-.11818	.16859	.18799	.00125	.00031	-.00189	-.12969	.15990	-.81108
.900	6.243	-.00105	.03770	.16444	.16473	.00050	.00066	-.00013	.01959	.16756	.11692
.901	8.460	-.00115	.12837	.16317	.13943	.00094	.00131	-.00081	.16143	.19504	.82768
.902	10.741	-.00010	.35624	.16744	.11708	-.00037	.00144	-.000159	.31879	.23090	1.38069
.903	12.934	.00034	.50216	.16728	.08870	-.00011	.00248	-.00304	.45198	.27543	1.64097
.904	15.162	.00112	.64342	.16411	.07143	.00037	.00311	-.00423	.57810	.32668	1.76959
.905	17.364	.00002	.77695	.16054	.05959	.00076	.00363	-.00416	.69351	.36534	1.79973
.906	19.576	-.00150	.91304	.15756	.04386	-.00213	.00364	-.00323	.80748	.45437	1.77715
.907	21.780	-.00258	1.03932	.15492	.03608	-.00167	.00348	-.00235	.90783	.52956	1.71433

LA51 TABULATED SOURCE DATA

(RHV005)

LARC0PT-604 (LA-51) (B1F1M1) (W1E1S0) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = -20.000
 AILRCN = .000 BDFLAP = -11.700
 SPDRK = .000

RUN NO. 11/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CDL	CYN	CV	CL	CD	L/D
1.200	-2.604	-.00052	-.44407	.19630	.20966	.00213	.00142	.00270	-.43470	.21629	-2.00909
1.201	-.333	.00128	-.28336	.19133	.19967	.00253	.00204	-.00299	-.28225	.19297	-1.46263
1.201	1.915	.00489	-.13345	.18732	.13667	.00082	.00133	-.00403	-.13964	.18276	-.76406
1.200	4.161	.00259	.00462	.18480	.11158	.00065	.00147	-.00201	-.00879	.18445	-.04765
1.199	6.401	.00440	.14420	.18214	.08061	.00083	.00216	-.00476	.12083	.19708	.62489
1.199	8.621	.00181	.28263	.17881	.06696	.00082	.00204	-.00327	.28263	.21916	1.15271
1.200	10.859	.00019	.41563	.17664	.05212	.00118	.00230	-.00273	.37491	.25177	1.48907
1.200	13.102	.00017	.55317	.17274	.04358	.00102	.00262	-.00308	.49961	.29364	1.70141
1.200	15.352	.00156	.69004	.16752	.01807	.00342	.00342	-.00474	.62106	.34424	1.80418
1.199	17.568	.00253	.80868	.16345	.00570	.00157	.00137	-.00021	.72163	.39991	1.80446
1.199	19.750	-.00075	.91010	.15953	.00417	.00064	.00202	-.00190	.80266	.45769	1.75373
1.198	21.936	-.00304	1.00597	.15337	.00670	.00069	.00233	-.00097	.87584	.51806	1.69061

(RHV005)

LARC0PT-604 (LA-51) (B1F1M1C3) (W1E1S0) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AILRCN = .000 BDFLAP = -11.700
 SPDRK = .000

RUN NO. 40/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CDL	CYN	CV	CL	CD	L/D
1.300	-2.070	-.00398	-.18104	.09882	.02727	.00129	-.00016	.00630	-.19975	.06304	-2.00892
1.300	-.016	.00130	-.07623	.05827	.03946	.00161	-.00062	.00359	-.07021	.09269	-1.35393
1.300	2.013	.00102	.02177	.05827	.04364	.00195	-.00062	.00280	.01391	.08810	.35374
1.300	4.072	.00192	.11751	.05122	.05215	.00131	-.00080	.00460	.11350	.05943	1.91104
1.300	6.126	.00303	.22264	.04406	.06106	.00199	-.00083	.00716	.24667	.05757	3.20647
1.300	8.165	.00136	.31858	.03404	.06734	.00227	-.00102	.00397	.31082	.07894	3.83363
1.300	10.210	.00191	.42366	.02215	.07560	.00195	-.00065	.00470	.41302	.09695	4.25989
1.300	12.273	.00176	.53264	.01037	.08078	.00105	.00012	.00555	.51826	.12336	4.39130
1.300	14.320	.00175	.65043	.00023	.08311	.00283	.00033	.00019	.62068	.16691	5.76682
1.300	16.400	.00054	.75565	.00746	.08618	.00305	.00019	-.00119	.72280	.22020	3.27759
1.300	18.440	.00232	.87340	-.00249	.09877	.00675	.00225	-.00769	.82542	.27392	3.02797
1.300	20.513	.00133	.99766	-.01449	.10310	.00827	.00087	-.00309	.93948	.33802	2.79505

LAS1 TABULATED SOURCE DATA

LARC3PT-604(LA-91) (B1F1M1C3) (W1E1S0) (V1)

(RHVD0S)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AILRON = .000 SDFLAP = -11.700
 SPDDBK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.800	-2.343	-.01101	-.24306	.06003	.05032	.00127	.00034	-.00507	-.21243	.06977	-3.08805
.800	-.126	-.00277	-.10431	.06163	.05576	.00147	.00025	.00122	-.10417	.06186	-1.68408
.900	2.084	.00993	.00562	.06025	.06440	.00150	.00012	-.00066	.00443	.06045	-.07324
.799	4.293	.00745	.12632	.05713	.06980	.00162	.00023	-.00107	.12368	.06659	1.55745
.801	5.341	.00036	.23587	.05524	.06994	.00227	.00033	-.00130	.24791	.02402	2.35046
.901	8.736	-.00114	.37261	.05561	.07375	.00240	.00119	-.00072	.35981	.11176	3.21955
.900	10.967	-.00088	.46785	.05670	.07717	.00272	.00144	-.00110	.46616	.14808	3.15303
.800	13.158	.00764	.58965	.05576	.08175	.00315	.00114	-.00222	.56057	.19241	2.61341
.800	15.417	.00048	.73284	.05974	.07324	.00389	.00143	-.00190	.69059	.23241	2.73594
.801	17.654	.00594	.87023	.00180	.07150	.00167	.00115	-.00472	.81061	.32252	2.51335
.800	19.866	.00547	.98281	.00287	.07410	.00236	.00108	-.00142	.91240	.39853	2.50298
.800	22.037	.00667	1.07232	.00560	.09542	.00240	.00215	-.00757	.96554	.46326	2.09308

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.900	-2.412	-.00831	-.23693	.07465	.07171	.00130	.00125	.00263	-.23759	.02762	-2.78400
.900	-.180	.00192	-.10326	.07622	.06374	.00209	.00033	-.00170	-.10307	.07337	-1.54798
.900	2.147	.00295	.02428	.07753	.06856	.00136	.00067	-.00268	.02186	.07841	.27242
.900	4.399	.00559	.15031	.07778	.07004	.00181	.00103	-.00366	.14391	.08600	1.81602
.900	6.631	.00468	.27138	.07930	.07277	.00130	.00141	-.00287	.26048	.10293	2.38363
.899	9.914	.00413	.39934	.07984	.07161	.00122	.00164	-.00410	.38214	.14075	2.71499
.900	11.166	.00714	.52454	.08427	.03369	.00250	.00156	-.00733	.49829	.19423	2.70441
.901	13.438	.00733	.66293	.08698	.06210	.00164	.00313	-.00715	.62403	.23768	2.52972
.900	15.725	.00478	.80668	.08743	.05390	.00119	.00317	-.00501	.75200	.30279	2.49622
.999	18.005	.00644	.93823	.08945	.05635	.00082	.00303	-.00374	.80463	.37308	2.30519
.900	20.222	.00797	1.02983	.09459	.07716	.00088	.00235	-.00675	.93305	.44474	2.09974
.900	22.403	.01315	1.10472	.09761	.10636	.00144	.00319	-.01045	.96407	.51146	1.92403

LAS1 TABULATED SOURCE DATA

(RHV006)

LARC8TPT-684 (LA-51) (B1F1M1C3) (M1E1S0) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AILRON = .000 BDPLAP = -11.700
 SPDRBK = .000

RUN NO. 37/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.980	-2.403	-.01116	-.22671	.12820	.07532	.00173	.00175	.00293	-.22114	.13759	-1.60721
.980	-.115	.00059	-.08333	.12953	.06636	.00181	.00149	-.00197	-.00307	.12970	-.64048
.980	2.224	.00735	.06371	.12990	.05882	.00160	.00120	-.00462	.05862	.13228	.44317
.980	4.524	.00692	.20616	.12820	.05302	.00152	.00170	-.00501	.19540	.14114	1.35582
.979	6.855	.00795	.35351	.12564	.04776	.00144	.00201	-.00553	.33598	.16694	2.01254
.979	9.161	.01180	.40511	.12530	.03970	.00234	.00342	-.00523	.46885	.20252	2.31504
.980	11.472	.00758	.63661	.12939	.02705	.00099	.00294	-.00632	.59016	.25342	2.36037
.979	13.783	.00665	.78900	.13191	.01004	.00111	.00298	-.00785	.73495	.31567	2.32675
.979	16.075	.01204	.94040	.13383	-.00367	.00065	.00286	-.00893	.86687	.39999	2.22774
.981	18.404	.01841	1.08341	.13514	-.00426	.00070	.00357	-.01122	.99587	.46837	2.10511
.979	20.039	.01934	1.19016	.12935	.00729	-.00092	.00356	-.01335	1.06808	.54073	1.97523
.981	21.323	.01728	1.22146	.12819	.01366	-.00177	.00316	-.01180	1.09123	.50358	1.83621

RUN NO. 36/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
1.200	-2.420	-.01513	-.20716	.14230	.07576	.00136	.00144	.00420	-.20096	.15100	-1.32561
1.200	-.076	-.00354	-.05650	.14317	.05312	.00150	.00122	-.00303	-.05831	.14325	-.48709
1.199	2.269	.00202	.08640	.14234	.03341	.00145	.00067	-.00118	.00269	.15773	.56745
1.200	4.625	.00048	.23473	.14262	.01592	.00073	.00092	-.00124	.22240	.16103	1.56117
1.200	6.952	.00308	.37398	.14348	.00401	.00232	.00093	-.00251	.35375	.16706	1.82483
1.200	9.285	.00274	.50280	.14238	-.00053	.00112	.00125	-.00251	.47324	.22164	2.13519
1.200	11.631	.00082	.64475	.14134	-.01121	-.00007	.00058	-.00099	.60392	.26042	2.24650
1.199	13.969	.00005	.79015	.14305	-.02563	.00053	.00027	-.00266	.73224	.32937	2.22183
1.199	16.301	.00057	.91579	.14254	-.03149	.00069	.00176	-.00547	.84280	.39502	2.13354
1.199	18.582	.00055	1.03071	.14132	-.02834	-.00079	.00103	-.00576	.93194	.46241	2.01540
1.190	20.808	.01059	1.14758	.13639	-.02216	-.00036	.00067	-.00645	1.02280	.53645	1.89960
1.199	23.202	.00237	1.26312	.13317	-.01702	-.00273	.00035	-.00266	1.10840	.62004	1.78777

LA51 TABULATED SOURCE DATA

(RHW007)

LARC8TPT-684 (LA-51) (B1F1M1C3) (W1E1S9) (V1)

PARAMETRIC DATA

DETA = .000 ELEVTR = -10.000
 ALLRON = .000 BDFLAP = -11.700
 SPDRK = .000

RUN NO. 337 0												RUN NO. 347 0											
MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D	MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.300	-2.109	-.00320	-.38834	.09749	.11726	.00022	.00026	.00019	-.33951	.07121	-9.01219	.801	-2.623	-.01194	-.41204	.07024	.10039	.00024	.00037	.00014	-.40040	.03902	-4.56777
.302	-.834	-.00190	-.26889	.08053	.12421	.00108	.00000	.00276	-.25861	.06177	-4.34970	.802	-.511	-.00093	-.28637	.07213	.10217	.00004	.00016	.00005	-.29994	.07463	-3.82847
.301	.104	-.00191	-.25227	.08079	.12501	.00083	-.00050	.00444	-.20240	.06006	-4.00290	.801	1.776	.00057	-.17060	.07143	.14901	.00061	.00015	-.00015	.06611	-2.61267	
.301	1.565	-.00110	-.17422	.06180	.13415	.00102	-.00061	.00000	-.00000	.06370	-3.01560	.801	4.409	.00125	-.02938	.05743	.15489	.00039	.00011	-.00080	.06403	.06406	-.33387
.301	3.954	-.00094	-.07907	.05831	.14102	.00033	-.00073	.00000	-.00000	.00000	-1.00000	.800	6.218	-.00006	.07363	.06419	.19900	.00032	.00001	.00002	.06651	.07178	.92687
.301	5.973	-.00044	.01576	.05262	.15037	.00009	-.00070	.00166	-.01001	.03097	1.00000	.801	8.387	.00077	.19835	.06338	.18904	.00080	.00000	.00000	.06650	.06650	2.05807
.302	8.956	-.00127	.11977	.04351	.15795	.00000	-.00000	.00166	.01001	.03097	1.00000	.801	10.685	-.00062	.31489	.06338	.17483	.00180	.00000	.00000	.06650	.06650	2.46699
.301	10.170	-.00271	.22459	.03239	.16706	.00087	-.00000	.00220	.11248	.03093	1.00000	.800	12.759	-.00101	.40492	.06325	.16537	.00180	.00000	.00000	.06650	.06650	2.46699
.302	12.970	-.00283	.32352	.02350	.17274	.00044	-.00000	.00220	.11248	.03093	1.00000	.801	15.024	.00003	.47492	.06325	.15337	.00180	.00000	.00000	.06650	.06650	2.46699
.302	14.107	-.00059	.43683	.01566	.17614	.00056	.00000	.00220	.11248	.03093	1.00000	.801	17.418	.00317	.53623	.06325	.14290	.00180	.00000	.00000	.06650	.06650	2.46699
.302	16.413	-.00015	.56540	.01111	.18054	.00275	.00145	.00145	.03093	.03093	1.00000	.801	19.473	.00676	.59473	.06325	.13183	.00180	.00000	.00000	.06650	.06650	2.46699
.301	18.409	.00100	.67647	.00466	.18090	.00523	.00112	.00112	.03093	.03093	1.00000	.801	21.955	.00676	.67647	.06325	.12055	.00180	.00000	.00000	.06650	.06650	2.46699
.301	20.028	.00332	.79631	-.00842	.18836	.00420	.00102	.00102	.03093	.03093	1.00000	.800											

LA31 TABULATED SOURCE DATA

(RHW007)

LARC0PT-694(LA-51) (B1F1M1C3) (W1E1B0) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPDRK = .000

RUN NO. 33/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CEL	CYN	CV	CL	CD	L/D
.900	-2.732	-.01245	-.42890	.09281	.17211	.00086	.00104	.00479	-.42201	.11285	-3.73944
.901	-.814	-.00442	-.28781	.09430	.16528	.00132	.00053	.00140	-.28695	.05866	-2.96831
.901	1.769	.00153	-.24570	.09374	.15726	.00135	.00023	-.00100	-.14865	.08912	-1.68610
.901	4.193	.00313	.00671	.09241	.14942	.00128	.00072	-.00253	-.00006	.05265	-.00065
.900	6.324	.00257	.13670	.09053	.14311	.00118	.00114	-.00255	.12602	.10485	1.20416
.900	8.627	.00125	.27020	.09018	.14179	.00080	.00158	-.00015	.25361	.12970	1.95545
.900	10.063	.00204	.40562	.09369	.13538	.00031	.00163	-.00285	.39121	.16575	2.29089
.899	13.139	.00536	.52562	.09173	.13899	.00104	.00202	-.00195	.49101	.20881	2.35149
.899	15.403	.00184	.64607	.09227	.14390	.00031	.00234	-.00365	.59636	.26056	2.28644
.899	17.800	.00223	.77780	.09280	.15018	-.00001	.00316	-.00474	.71100	.32417	2.19330
.899	19.952	.00549	.87863	.09698	.16928	-.00049	.00219	-.00735	.79098	.39021	2.02707
.899	22.360	.01003	.95887	.10020	.20396	-.00034	.00319	-.00884	.84662	.45709	1.82218

RUN NO. 32/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CEL	CYN	CV	CL	CD	L/D
.979	-2.800	-.01505	-.42404	.14711	.16790	.00136	.00114	.00535	-.41655	.16365	-2.54534
.901	-.492	-.00442	-.26705	.14169	.17683	.00177	.00100	.00386	-.26582	.14368	-1.64020
.901	1.839	.00222	-.11192	.14136	.15934	.00142	.00098	-.00211	-.11640	.13769	-.84553
.901	4.188	.00436	.03619	.13955	.15002	.00102	.00109	-.00317	.02590	.14102	.18261
.900	6.581	.00623	.13621	.13720	.13918	.00096	.00185	-.00489	.17919	.15807	1.12700
.900	8.816	.00323	.34440	.13639	.12765	-.00017	.00207	-.00381	.31942	.18756	1.70309
.900	11.230	.00492	.49574	.13766	.11079	-.00011	.00214	-.00466	.46330	.23235	1.99424
.899	13.816	.00697	.66715	.13901	.09808	.00046	.00289	-.00649	.61746	.29503	2.08232
.900	15.916	.01249	.79735	.13813	.06898	.00024	.00353	-.00577	.72890	.35149	2.07375
.900	18.049	.01255	.93020	.13379	.04520	-.00036	.00362	-.00398	.84297	.41541	2.02925
.900	20.335	.02009	1.04907	.13554	.06654	-.00128	.00319	-.00311	.93063	.48412	1.92273
.900	22.936	.01347	1.16762	.12887	.11017	-.00032	.00108	-.00860	1.02582	.57196	1.79352

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LA51 TABULATED SOURCE DATA

(RHVD07) LARC8TPT-684 (LA-51) (B1FIMC3) (W1E1SD) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AIRCN = .000 BOFLAP = -11.700
 SPDRK = .000

RUN NO. 31/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
1.200	-2.747	-0.01805	-0.33678	.16349	.14075	.00079	.00116	.00565	-.32835	.17944	-1.83095
1.200	-3.395	-0.0431	-0.16514	.16284	.12574	.00095	.00131	.00017	-.18401	.16412	-1.12123
1.200	1.828	.00155	-0.03993	.16106	.10777	.00099	.00094	-.00166	-.04533	.15963	-.28296
1.201	4.332	.00167	.10947	.15063	.09010	.00104	.00091	-.00159	.05718	.10645	.58383
1.200	6.665	.00276	.25279	.15640	.07511	.00118	.00129	-.00256	.23292	.18469	1.26121
1.200	9.055	.00381	.39784	.15304	.06386	.00085	.00135	-.00304	.36676	.21377	1.73515
1.200	11.297	.00366	.53174	.14974	.05505	.00061	.00134	-.00290	.49210	.25101	1.96050
1.200	13.790	.00213	.68613	.14682	.04055	-.00003	.00071	-.00166	.63150	.30613	2.08230
1.201	16.051	.00750	.81512	.14368	.03341	.00061	.00169	-.00494	.74348	.36418	2.04158
1.205	18.444	.01108	.93705	.14076	.02415	.00040	.00219	-.00701	.84404	.43021	1.95402
1.195	20.601	.01280	1.03507	.13618	.01630	.00010	.00288	-.00766	.90083	.49167	1.87315
1.200	22.902	.01351	1.15339	.13145	.01112	.00063	.00240	-.00820	1.01132	.50994	1.77444

(RHVD08) LARC8TPT-684 (LA-51) (B1FIMC3) (W1E1SD) (V1)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 AIRCN = .000 BOFLAP = -11.700
 SPDRK = .000

RUN NO. 30/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.351	-2.122	5.03114	-0.35582	.05407	.11267	.00073	.00013	-.00723	-.53357	.05785	-5.25784
.350	-0.009	5.03576	-0.25578	.05677	.12034	.00142	.00105	-.00700	-.25577	.05601	-4.58214
.350	1.862	5.03272	-0.17206	.05760	.12653	.00014	.00103	-.00707	-.17394	.05150	-3.31420
.350	4.032	5.02135	-0.07354	.05543	.13709	-.00182	.00103	-.00704	-.07427	.05036	-1.47417
.350	4.847	5.01621	-0.02761	.05336	.14114	-.00267	.00149	-.00710	-.03202	.05054	-.82977
.350	8.151	4.98536	.13036	.04102	.15135	-.00558	.00177	.00750	.12320	.05917	2.08311
.350	11.075	4.93899	.27521	.02540	.16565	-.00777	.00224	-.00834	.25521	.07779	3.40910
.350	12.254	4.91002	.33340	.01316	.16780	-.00846	.00219	-.00966	.30213	.08050	3.39465
.351	14.401	4.87564	.42785	.01317	.16737	-.00812	.00203	-.00902	.44913	.13202	3.40188
.350	16.764	4.80537	.58170	.01124	.17240	-.00812	.00511	-.00750	.55435	.17661	2.13890
.351	18.555	4.77296	.80534	.00311	.16134	-.00736	.00548	-.00766	.64873	.22104	2.95484
.350	20.591	4.71529	.80613	-.01279	.19186	-.00641	.00508	-.00611	.75919	.27456	2.79584

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LA51 TABULATED SOURCE DATA

(RHV008)

LARC8TPT-684 (LA-51) (B1F1M1C3) (W1E1S0) (V1)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 ALLRON = .000 BOFLAP = -11.700
 SPOBRK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.800	-2.575	5.14541	-4.1022	.06794	.14100	.00534	.00420	-.08701	-.40675	.08630	-4.71307
.800	-3.304	5.15066	-2.7497	.07009	.13882	.00212	.00383	-.06670	-.27459	.07155	-3.83799
.801	1.911	5.14734	-1.1567	.07030	.14445	-.00058	.00328	-.08565	-.16093	.06497	-2.47704
.800	4.412	5.12928	-.02398	.06672	.15086	.00306	.00329	-.08265	-.02904	.06467	-.44904
.801	6.486	5.11058	.09261	.06264	.15460	-.00528	.00406	-.08230	.08494	.07270	1.16837
.800	8.906	5.07524	.22524	.06038	.15620	-.00667	.00411	-.07947	.21318	.09452	2.25538
.800	10.808	5.04555	.32322	.06137	.16205	-.00641	.00425	-.07928	.30598	.12089	2.53111
.800	13.328	4.99718	.43855	.06198	.17385	-.00745	.00285	-.07688	.41245	.16141	2.55531
.800	15.239	4.96146	.54352	.06107	.17770	-.00567	.00196	-.07944	.50835	.20179	2.51920
.800	17.553	4.90703	.64916	.06428	.19123	-.00880	.00077	-.08125	.59955	.25707	2.33224
.800	19.788	4.85537	.77234	.06459	.19638	-.00784	.00022	-.08688	.70487	.32225	2.18736
.800	22.038	4.79013	.88777	.06338	.20868	-.00695	-.00242	-.08780	.79912	.39186	2.03929

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.900	-2.634	5.17770	-4.2213	.09018	.16388	.00682	.00383	-.09210	-.41751	.10963	-3.80835
.900	-2.283	5.18352	-2.6574	.08194	.15485	.00326	.00395	-.09241	-.26520	.09325	-2.84485
.900	.105	5.18551	-2.4240	.08157	.15336	.00280	.00379	-.09320	-.24265	.09112	-2.66287
.901	2.198	5.18124	-1.11553	.09233	.15211	.00021	.00389	-.09300	-.11898	.08787	-1.35417
.901	4.473	5.16491	.02698	.09094	.14694	-.00118	.00407	-.09102	.01980	.09276	.21346
.901	6.778	5.13630	.16717	.08843	.13838	-.00338	.00348	-.09041	.15557	.10754	1.44663
.900	8.986	5.10763	.29404	.08750	.13656	-.00441	.00291	-.08512	.27377	.13235	2.09112
.900	11.207	5.07249	.42362	.08840	.13325	-.00563	.00192	-.08278	.39836	.16904	2.35657
.899	13.547	5.03053	.55418	.08778	.13501	-.00592	.00193	-.08105	.51820	.21515	2.40853
.900	15.631	4.99147	.66594	.08754	.13984	-.00602	-.00472	-.08187	.61775	.26374	2.34219
.900	18.009	4.94012	.79209	.08932	.14701	-.00569	-.00637	-.08530	.72567	.32983	2.20014
.899	20.404	4.87722	.88470	.09194	.17603	-.00580	-.00897	-.08656	.79714	.39461	2.02009
.900	22.438	4.80245	.94407	.09558	.21189	-.00655	-.01353	-.07736	.83612	.44869	1.86348

LA51 TABULATED SOURCE DATA

LARC8TPT-684 (LA-51) (B1F1M1C3) (M1E1S0) (V1)

(RMV008)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 ATLRON = .000 BDFLAP = -11.700
 SPBRK = .000

HACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.980	-2.594	5.20837	-4.1052	.14353	.17819	.00386	.00725	-.10261	-.40380	.16136	-2.49262
.980	-.331	5.21031	-.25808	.14152	.15530	-.00005	.00722	-.10117	-.25727	.14301	-1.79881
.991	.119	5.21130	-.23968	.14249	.16347	-.00367	.00702	-.10123	-.23847	.14130	-1.68619
.981	2.732	5.19983	-.06345	.14071	.15414	-.00406	.00691	-.09851	-.07801	.13751	-.30865
.981	4.738	5.19331	.06943	.14530	.14702	-.00520	.00723	-.09696	.05731	.14584	.39509
.980	5.803	5.15377	.21110	.13899	.13939	-.00674	.00735	-.08297	.10276	.16346	1.17941
.980	9.266	5.11626	.36614	.13314	.12704	-.00663	.00693	-.08695	.14109	.15361	1.74371
.980	11.790	5.00576	.53903	.13873	.10891	-.00789	.00466	-.08249	.15941	.12556	2.10302
.980	14.716	5.01134	.72095	.13683	.09831	-.00787	.00459	-.08191	.16429	.13153	2.18576
.980	16.964	4.96154	.90426	.13390	.09364	-.00808	.00337	-.08613	.17879	.13821	2.07100
.979	18.679	4.93888	.96179	.12836	.09249	-.00748	-.00119	-.07767	.18701	.14261	1.90491
.980	20.714	4.90834	1.06982	.12447	.09934	-.00731	-.00409	-.08031	.18571	.14261	1.70391
.980	22.965	4.87837	1.10763	.12310	.10325	-.00706	-.00450	-.08430	.18070	.14401	1.58101

RUN NO. 207 D

HACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
1.200	-2.507	5.23489	-.32930	.16351	.14505	-.00290	.00945	-.10633	-.33069	.17167	-1.09311
1.200	-.105	5.23324	-.17150	.15530	.12347	-.00257	.00711	-.09323	-.17124	.16351	-1.36001
1.201	2.137	5.22070	-.03380	.15180	.10595	-.00564	.00579	-.09321	-.03667	.16151	-.27082
1.200	4.557	5.19403	.11993	.15919	.08073	-.00381	.00456	-.09310	.10643	.13871	.33259
1.200	6.857	5.15634	.26202	.15656	.07536	-.00287	.00378	-.09285	.20145	.18871	1.03311
1.200	9.305	5.12977	.41237	.15348	.06336	-.00569	.00706	-.09043	.34213	.21871	1.70101
1.200	10.458	5.10005	.48711	.15130	.05831	-.00512	.00600	-.08781	.44545	.23479	1.85580
1.201	13.533	5.07808	.60379	.14693	.04858	-.00537	.00161	-.07725	.61140	.29501	2.03081
1.200	16.085	4.99467	.80084	.14195	.04665	-.00693	.00079	-.07501	.75015	.33821	2.60780
1.203	18.679	4.91805	.94451	.13691	.04200	-.00734	.00041	-.06917	.85136	.37201	2.10356
1.190	20.670	4.84748	1.06809	.13192	.04151	-.00910	-.00742	-.06477	.94716	.50459	1.87760
1.200	23.534	4.77733	1.17103	.12509	.05454	-.00801	-.00706	-.07516	1.02406	.58421	1.77101

LA51 TABULATED SOURCE DATA

(RHV009)

LARC8TPT-684 (LA-51) (BIF1MIC4) (NIE1SD) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AYLROM = .000 BDFLAP = -11.700
 SPDRK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.340	-2.066	-.00371	-.11246	.05537	.02442	.00103	.00007	.00752	-.15077	.06084	-2.47001
.350	-.008	-.00322	-.06625	.05724	.03693	.00135	.00008	.00648	-.06024	.05724	-1.03232
.360	2.039	-.00119	.02171	.05624	.04870	.00199	-.00048	.00297	.02729	.05725	.17665
.349	4.063	-.00174	.13359	.05278	.06336	.00170	-.00016	.00374	.12959	.06217	2.08457
.349	6.157	-.00193	.23669	.04629	.07459	.00147	-.00041	.00445	.23036	.07141	3.22596
.350	8.197	-.00304	.33337	.03760	.08705	.00225	-.00042	.00674	.32510	.08482	3.83298
.350	10.254	-.00365	.44136	.02621	.10147	.00241	.00023	.00733	.42944	.11436	4.11744
.350	12.299	-.00302	.54781	.01367	.11273	.00192	.00011	.00536	.53232	.13005	4.09331
.350	14.371	-.00152	.67271	.00907	.11913	.00342	.00240	.00045	.64941	.17575	3.69467
.349	16.417	-.00015	.78408	.00575	.12989	.00319	.00100	-.00093	.75040	.22138	3.33017
.349	18.489	.00021	.90223	-.00152	.14425	.00244	.00110	-.00171	.85615	.26467	3.00745
.349	20.546	.00061	1.00887	-.01261	.16381	.00336	.00112	-.00261	.94910	.31227	2.77304

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.800	-2.309	-.01201	-.27490	.06031	.04596	.00106	.00051	.00399	-.20036	.06031	-2.95265
.800	-.063	-.00290	-.05225	.06153	.05691	.00128	.00049	.00102	-.09217	.06166	-1.49476
.800	2.132	-.00097	.02354	.06090	.07143	.00134	.00024	.00025	.02125	.06173	.34431
.800	4.360	.00225	.15103	.05869	.07741	.00159	.00030	-.00159	.14611	.07005	2.02569
.800	6.595	.00252	.27555	.05784	.08650	.00211	.00095	-.00246	.26709	.08910	2.95753
.799	8.841	-.00067	.36632	.05665	.09475	.00205	.00090	-.00096	.36259	.11300	3.02168
.799	11.346	-.00002	.51082	.05591	.10241	.00216	.00076	-.00088	.48087	.15668	3.12667
.800	13.265	.00123	.61996	.06108	.11131	.00259	.00096	-.00079	.58540	.20171	2.92205
.800	15.500	.00541	.76736	.05559	.10037	.00300	.00039	-.00351	.72553	.26249	2.75635
.800	17.772	.00857	.91281	.06077	.11069	.00421	.00105	-.00512	.85071	.31649	2.53219
.800	19.997	.00972	1.02555	.06144	.11678	.00446	.00092	-.00670	.94271	.40864	2.30803
.800	22.168	.00126	1.09826	.06395	.13489	.00525	.00051	-.00132	.95295	.47500	2.09050

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LA51 TABULATED SOURCE DATA

(RHVD09)

LARC8PT-684(LA-51) (B1F1MIC4) (WIE1S0) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 ATLRON = .000 BOCLAF = -11.700
 SPDRK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.901	-2.368	-.01169	-.22875	.07508	.06614	.00134	.00107	.00438	-.22542	.00253	-2.66613
.900	-.089	-.00120	-.09118	.07641	.07000	.00163	.00079	-.00033	-.09106	.07655	-1.18964
.900	2.178	.00279	.03365	.07822	.07740	.00056	.00030	-.00168	.03063	.07944	.38587
.900	4.435	.00421	.16337	.07913	.08475	.00048	.00025	-.00231	.15370	.09158	1.71140
.901	6.727	.00475	.29360	.08044	.08759	.00190	.00126	-.00373	.28216	.11426	2.46905
.900	9.003	.00383	.42641	.08189	.08955	.00220	.00169	-.00380	.40534	.14759	2.76636
.900	11.251	.00409	.54972	.08353	.09208	.00270	.00242	-.00462	.52007	.18018	2.76388
.901	13.536	.00364	.68980	.08455	.09559	.00173	.00242	.00702	.55076	.24388	2.66837
.900	15.865	.00897	.84291	.08485	.09122	.00170	.00258	-.00742	.70761	.31204	3.02406
.900	18.113	.00485	.96306	.08807	.09305	.00080	.00189	-.00461	.87332	.36320	2.11700
.899	20.350	.00754	1.04257	.09238	.14302	.00103	.00185	-.00597	.94138	.44917	2.10377
.900	22.494	.01930	1.09008	.09748	.16463	.00232	.00272	-.01312	1.03110	.50712	1.91200

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.980	-2.369	-.01234	-.23789	.12834	.07827	.00182	.00206	.00310	-.21240	.13724	-1.34762
.961	-.086	-.00144	-.07624	.13071	.07558	.00157	.00152	-.00111	-.07611	.13073	-.50194
.991	2.278	.00417	.07257	.13158	.07650	.00123	.00129	-.00332	.06728	.13446	.50039
.980	4.613	.00492	.22316	.13041	.07546	.00090	.00158	-.00399	.21135	.14793	1.43872
.990	6.948	.00384	.37568	.12836	.07446	.00090	.00247	-.00498	.35541	.17262	2.85989
.980	9.274	.00837	.52010	.12804	.07320	.00164	.00330	-.00753	.49273	.21019	2.14824
.990	11.581	.00680	.65541	.12853	.06744	.00149	.00313	-.00611	.62808	.20949	2.41209
.979	13.919	.00829	.81339	.12990	.05619	.00157	.00308	-.00670	.76409	.32719	2.36422
.960	16.263	.00845	.97876	.13094	.04578	-.00141	.00302	-.00734	.90293	.38380	2.25343
.990	18.579	.01015	1.11871	.13072	.04763	-.00135	.00218	-.00722	1.01876	.40734	2.12137
.980	20.836	.01328	1.22053	.12639	.07495	.00004	.00216	-.00875	1.09575	.53225	1.80430
.980	21.411	.01289	1.23972	.12540	.08570	.00082	.00269	-.00966	1.10338	.56331	1.90687

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LA51 TABULATED SOURCE DATA

LARC8TPT-684 (LA-51) (B1F1M1C4) (W1E1S1D) (V1)

(RHV009)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AILRON = .000 BDFLAP = -11.700
 SPOBRK = .000

RUN NO. 81/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CVM	CY	CL	CD	L/D
1.200	-2.587	-.01707	-.20201	.34451	.0761E	.00125	.00136	.00304	-.19582	.15279	-1.26159
1.200	-.021	-.00695	-.04929	.14510	.06020	.00138	.00115	.00096	-.04923	.14501	-.33905
1.200	2.315	.00287	.09365	.14566	.04787	.00139	.00081	-.00169	.08769	.14532	.50724
1.200	4.702	.00132	.24438	.14469	.03893	.00095	.00070	-.00132	.23171	.15427	1.41980
1.201	7.046	.00156	.36703	.14435	.02885	.00075	.00073	-.00145	.56840	.19074	1.92046
1.200	9.398	.00129	.52055	.14491	.02041	.00108	.00091	-.00154	.46894	.22751	2.14451
1.199	11.743	-.00020	.65775	.14373	.02622	.00048	.00074	-.00077	.61475	.27439	2.27875
1.200	11.115	.00230	.80560	.14348	.01198	.00028	.00090	-.00194	.37577	.37577	2.22418
1.200	16.446	.00761	.94063	.14320	.01222	.00083	.00100	-.00490	.86165	.49512	2.13479
1.200	18.771	.01130	1.07157	.14277	.01171	.00072	.00193	-.00681	.93895	.75992	1.91086
1.200	21.095	.01342	1.19969	.14263	.01469	.00058	.00209	-.00798	1.06047	.56106	1.89241
1.200	22.212	.01225	1.25380	.13944	.01573	.00018	.00202	-.00742	1.10848	.63218	1.01062

LARC8TPT-684 (LA-51) (B1F1M1C4) (W1E1S1D) (V1)

(RHV010)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPOBRK = .000

RUN NO. 90/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CVM	CY	CL	CD	L/D
1.350	-2.158	-.00340	-.33369	.05735	.11330	.00084	-.00110	.00189	-.33128	.07082	-4.05081
1.350	-.076	-.00231	-.25532	.06021	.12237	.00065	-.00033	.00309	-.25324	.03055	-4.18253
1.351	.127	-.00310	-.24809	.06020	.11531	.00063	.00025	.00017	-.24802	.05971	-4.15702
1.351	1.950	-.00047	-.16737	.06068	.15738	.00035	-.00063	.00166	-.16933	.05495	-3.08133
1.350	4.011	.00033	-.07031	.05843	.13045	.00081	-.00029	-.00006	-.07423	.05337	-1.33032
1.350	6.115	-.00076	.02253	.05327	.16484	.00080	-.00121	.00294	.02607	.05845	.47263
1.350	9.298	-.00015	.12492	.04923	.17649	.00111	-.00053	.00092	.12708	.06403	1.38482
1.350	10.417	-.00153	.24625	.03418	.19228	.00101	-.00082	.00410	.23602	.07814	3.02143
1.350	12.251	-.00085	.35051	.02380	.20317	.00068	-.00074	.00261	.33747	.09764	3.45637
1.350	14.144	-.00072	.45616	.01564	.21030	.00163	-.00001	.00152	.43951	.12653	3.46277
1.350	16.420	.00110	.50466	.01485	.21832	.00158	.00055	-.00297	.59659	.17955	3.09924
1.350	18.827	.00060	.70005	.00593	.23162	.00147	.00063	-.00201	.86188	.22897	2.93248
1.350	20.475	.00174	.80835	-.00347	.24343	.00227	.00030	-.00330	.75919	.27763	2.73451

LAS1 TABULATED SOURCE DATA

(RHYD10)

LARC8TPT-684 (LA-31) (SIFM1C4) (WIE1SD) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AIRLON = .000 BDFLAP = -11.700
 SPDRK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CPL	CYN	CY	CL	CD	L/D
.800	-2.475	-.01185	-.39972	.07000	.14214	.00075	.00035	.00603	-.39632	.08729	-4.54033
.800	-.292	-.00410	-.27261	.07200	.14499	.00077	.00009	.00213	-.27224	.07338	-3.70983
.800	1.812	-.00094	-.11616	.07197	.15697	.00037	-.00015	.00066	-.16385	.06882	-2.45208
.800	4.190	.00033	-.03011	.06554	.16607	.00061	-.00021	.00008	-.04109	.00672	-.61589
.800	6.337	-.00045	.06874	.06902	.17608	.00050	.00024	-.00002	.08091	.07541	1.57297
.801	8.624	.00004	.22032	.06490	.18413	.00080	.00076	-.00090	.20009	.09720	2.14080
.800	10.839	.00001	.33255	.06167	.19497	.00101	.00085	-.00098	.31427	.12703	2.47297
.800	13.121	.00254	.44287	.05885	.20615	.00121	.00094	-.00250	.41613	.16564	2.51231
.800	15.275	.00552	.55427	.06600	.20927	.00140	-.00034	-.00274	.51730	.20970	2.46688
.801	17.855	.00757	.70234	.06659	.21854	.00248	.00061	-.00327	.64815	.27874	2.32513
.801	19.660	.00785	.80235	.06703	.23144	.00321	.00099	-.00458	.73285	.33344	2.19782
.799	21.032	.00578	.91585	.06546	.24971	.00441	.00123	-.00481	.82512	.40761	2.04610

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.800	-2.644	-.01460	-.42019	.09106	.16678	.00097	.00071	.00624	-.41550	.11115	-3.73617
.800	-.370	-.00469	-.27700	.09317	.16577	.00191	.00043	.00176	-.27630	.09496	-2.51048
.800	1.966	.00194	-.12801	.09362	.16503	.00172	.00014	-.00077	-.13115	.08916	-1.47068
.800	4.337	.00048	.01796	.09339	.15543	.00135	.00029	-.00075	.01084	.09448	.11477
.808	6.587	.00149	.16031	.09202	.16238	.00074	.00060	-.00141	.14930	.10987	1.35887
.809	8.580	.00176	.28355	.09150	.16200	.00128	.00116	-.00218	.26673	.13278	2.00876
.809	11.114	.00051	.43109	.09108	.16203	.00130	.00153	-.00200	.40545	.17247	2.35086
.900	13.518	.00286	.57308	.09118	.17052	.00106	.00161	-.00306	.53550	.22355	2.39562
.808	15.682	.00777	.68840	.09008	.17745	.00149	.00160	-.00570	.63843	.27200	2.54029
.900	17.956	.00607	.81730	.09106	.18925	.00036	.00183	-.00515	.74941	.33809	2.21334
.808	21.039	.01323	.92901	.09656	.24250	.00189	.00228	-.00941	.83241	.42365	1.96484
.900	23.425	.02183	.96576	.10004	.27722	.00427	.00242	-.01407	.85457	.46088	1.85421

LAST TABULATED SOURCE DATA

LAR08TPT-684 (LA-51) (BIF1HIC4) (WIE1SD) (V1)

(RHV010)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 ALLREN = .000 BDFLAP = -11.700
 SPCBRK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.979	-2.454	-.00946	-.39037	.14046	.18417	.00178	.00080	.00467	-.38400	.15705	-2.44506
.980	-.213	.00016	-.24037	.13905	.17468	.00169	.00102	-.00126	-.23965	.13994	-1.71397
.980	2.018	.00290	-.09503	.14008	.17184	.00165	.00074	-.00236	-.06993	.13684	-.73110
.979	4.283	.00344	.05336	.13801	.16823	.00064	.00100	-.00318	.54284	.14241	.30082
.979	6.519	.00439	.20250	.13780	.16334	.00073	.00172	-.00437	.16565	.15994	1.15325
.979	8.755	.00310	.35426	.13659	.15806	-.00011	.00211	-.00426	.32934	.18892	1.74325
.979	11.013	.00323	.50320	.13590	.14528	.00064	.00265	-.00619	.73506	.23057	2.05427
.978	13.242	.00723	.65025	.13563	.13955	.00082	.00320	-.00204	.50190	.25097	2.14223
.985	15.477	.00730	.79839	.13521	.13290	-.00038	.00276	-.00707	.73309	.34433	2.12907
.980	17.726	.01156	.94370	.13207	.13008	-.00046	.00268	-.01022	.63368	.41312	2.07854
.980	19.951	.01141	1.08356	.12875	.14225	.00036	.00242	-.00592	.54580	.40395	1.97508
.979	22.102	.01195	1.14010	.12732	.17644	-.00035	.00280	-.01011	1.00842	.34661	1.84375

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
1.199	-2.411	-.01116	-.30772	.16346	.14291	.00067	.00130	.00428	-.30027	.17627	-1.70521
1.200	-.154	-.00178	-.16452	.16306	.12822	.00066	.00099	-.00021	-.16409	.16390	-1.61356
1.200	2.085	.00108	-.03216	.16135	.11606	.00135	.00076	-.00142	-.06994	.16043	-.17479
1.200	4.353	.00219	.11957	.15940	.10511	.00130	.00073	-.00137	.10713	.16804	.63761
1.200	6.623	.00149	.16032	.15757	.09671	.00125	.00105	-.00196	.24041	.18655	1.26871
1.200	8.873	.00136	.35921	.15543	.08495	.00064	.00080	-.00164	.37045	.21519	1.72161
1.129	11.142	.00244	.53174	.15251	.07307	.00064	.00097	-.00239	.49225	.25249	1.94946
1.199	13.399	.00244	.70709	.14909	.06907	.00050	.00091	-.00235	.61420	.30739	2.04466
1.129	15.630	.00321	.90282	.14440	.07680	.00050	.00100	-.00447	.73369	.35728	2.15157
1.196	17.869	.00327	.10926	.14176	.07422	.00050	.00185	-.00713	.84090	.42005	2.19203
1.199	20.090	.01169	1.04650	.13969	.07223	.00041	.00228	-.00992	.93477	.49080	1.90459
1.160	22.325	.01399	1.13064	.13543	.08317	.00012	.00213	-.01023	1.02220	.55619	1.80546

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160

LA51 TABULATED SOURCE DATA

(RHVD11)

LARCRTPT-684(LA-51) (B1F1M1C4) (WIE1S0) (V1)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 ATLRON = .000 SDFLAP = -11.700
 SPDBRK = .000

RUN NO. 123/ 0											
MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.351	-2.074	5.03212	-34521	.05445	.10760	.00246	.00180	-.07371	-.34301	.05691	-5.12638
.351	-.035	5.03512	-.24764	.05725	.11929	.00096	.00129	-.07237	-.24760	.05741	-4.31324
.351	.182	5.03631	-.23713	.05735	.12157	.00053	.00157	-.07550	-.23731	.05681	-1.17715
.351	2.132	5.03250	-.14901	.05799	.13453	-.00061	.00051	-.07416	-.15107	.05240	-2.83321
.351	4.226	5.02211	-.05112	.05608	.14820	-.00256	.00050	-.07296	-.05515	.05213	-1.05741
.351	5.236	5.00415	.04879	.05574	.16157	-.00486	.00054	-.06897	.04209	.05574	.77129
.351	6.267	4.90157	.14948	.04346	.17505	-.00652	.00117	-.06982	.14165	.06457	2.19362
.352	10.238	4.95220	.25127	.03176	.18798	-.00799	.00177	-.05842	.24126	.07774	5.10332
.351	12.416	4.91588	.36925	.02007	.19972	-.00968	.00169	-.05908	.35619	.09950	3.57873
.352	14.516	4.87308	.49175	.01113	.20635	-.01005	.00385	-.07105	.47921	.13317	3.41859
.351	16.532	4.82351	.60974	.01214	.21559	-.00867	.00557	-.07249	.59097	.18552	5.41201
.351	18.911	4.76181	.72768	.01437	.22903	-.00768	.00696	-.07337	.68717	.24004	2.86237
.350	20.676	4.70991	.82375	-.00253	.24206	-.00701	.00723	-.07138	.77158	.28845	2.87451

RUN NO. 124/ 0											
MACH	ALPHA	BETA	CN	CA	CLM	CEL	CYN	CY	CL	CD	L/D
.800	-2.584	5.14748	-40137	.05145	.12647	.00505	.00362	-.06762	-.30701	.08548	-4.31324
.801	-.154	5.15155	-.25916	.04920	.13958	.00459	.00344	-.06661	-.15387	.07090	-3.58206
.800	1.915	5.14593	-.14950	.07032	.15156	-.00105	.00305	-.06487	-.15224	.05926	-2.33279
.795	4.142	5.13145	-.03077	.06706	.15267	-.00329	.00263	-.06230	-.03359	.06346	-.54375
.792	6.402	5.10740	.06723	.06390	.17284	-.00647	.00313	-.07983	.09950	.07435	1.40374
.800	8.663	5.07702	.23031	.06248	.18123	-.00757	.00402	-.07850	.21027	.09625	2.26299
.800	11.037	5.03869	.71403	.05392	.19133	-.00891	.00214	-.07742	.33525	.13052	2.56854
.800	13.250	4.99810	.46171	.04390	.20044	-.00968	.00325	-.07690	.43476	.16811	2.55519
.800	15.434	4.95470	.57050	.03356	.20993	-.00922	.00167	-.07814	.53307	.21310	2.90127
.800	17.684	4.90517	.60736	.02289	.22114	-.00901	.00087	-.08142	.64530	.27170	2.37455
.801	20.041	4.84965	.83490	.01533	.22943	-.00873	.00250	-.09055	.76270	.44512	2.20671
.796	22.310	4.78046	.53208	.00260	.23765	-.00823	.00034	-.09005	.87053	.41180	2.03624

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LA51 TABULATED SOURCE DATA

(RHW011)

LARC8TPT-684 (LA-51) (BIFIMIC4) (WIE130) (V1)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.085
 ATLRON = .000 BDFLAP = -11.700
 SPGRK = .000

RUN NO. 123/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.900	-2.653	5.17919	-.41383	.00940	.15852	.00671	.00354	-.09253	-.40925	.10846	-3.77326
.899	-.338	5.18395	-.26438	.09120	.15623	.00335	.00385	-.09259	-.26384	.09276	-2.84420
.900	1.962	5.17942	-.11805	.09217	.15582	.00004	.00382	-.09170	-.17114	.04807	-1.37552
.899	4.268	5.16553	.02537	.09159	.15613	-.00264	.00408	-.09024	.01848	.09322	.19028
.900	6.578	5.13696	.16636	.09133	.15594	-.00424	.00370	-.08801	.15460	.10979	1.40994
.900	8.881	5.10452	.30857	.08981	.15567	-.00556	.00322	-.08321	.25100	.13637	2.13386
.899	11.140	5.06491	.43785	.08893	.15644	-.00709	.00158	-.07829	.41242	.17161	2.39989
.898	13.436	5.02380	.56967	.08860	.16637	-.00867	-.00009	-.07881	.53349	.21855	2.44109
.899	15.723	4.97870	.69938	.08860	.17381	-.00673	-.00033	-.08146	.64822	.27577	2.38319
.900	18.031	4.92701	.82968	.08918	.18339	-.00648	.00019	-.08648	.76133	.34161	2.22866
.900	20.251	4.87317	.91717	.09126	.22259	-.00710	-.00151	-.09049	.82889	.40378	2.05633
.900	22.431	4.79433	.97183	.09718	.27073	-.00859	-.00966	-.07743	.86122	.46067	1.87362

RUN NO. 122/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.979	-2.482	5.15447	-.38974	.14183	.17554	.00344	.00687	-.10176	-.38323	.15837	-2.41678
.980	-.231	5.15787	-.24140	.14182	.16931	-.00087	.00683	-.10063	-.24083	.14259	-1.68892
.980	2.024	5.15086	-.09285	.14090	.16651	-.00415	.00641	-.09808	-.05777	.13753	-.71093
.980	4.286	5.13372	.05936	.14023	.16401	-.00721	.00580	-.09395	.04871	.14432	.33750
.980	6.551	5.10858	.20742	.13969	.16209	-.00816	.00653	-.09114	.19012	.16245	1.17039
.980	8.801	5.07364	.36191	.13912	.15476	-.00865	.00625	-.08598	.33636	.19286	1.74409
.979	11.073	5.03290	.51447	.13660	.14365	-.00928	.00531	-.08146	.47865	.23287	2.05549
.979	13.295	4.98900	.65657	.13612	.13859	-.00913	.00386	-.07952	.50805	.28358	2.14439
.979	15.526	4.94109	.79578	.13530	.13843	-.00910	.00414	-.07972	.73052	.34337	2.12749
.979	17.786	4.88509	.93220	.13145	.14342	-.01045	.00207	-.07647	.84745	.40991	2.06749
.979	20.005	4.82097	1.05321	.12771	.15236	-.01269	-.00285	-.07271	.95067	.48202	1.97227
.980	22.196	4.75193	1.15632	.12315	.17075	-.01045	-.00448	-.07164	1.02458	.55104	1.85937

LAS1 REGULATED SOURCE DATA

(RHW011)

LARC8TPT-684 (LA-51) (B1FIM1C4) (WIE1SD) (V1)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 AIRLOV = .000 SDFLAP = -11.700
 SFDERK = .000

RUN NO. 121/ 0

HACH	ALPHA	BETA	CN	CA	CLM	CR	CYN	CY	CL	CC	L/D
1.199	-2.433	5.17395	-3.0684	.16385	.14012	-.00350	-.00744	-.10049	-.29951	.17672	-1.69519
1.199	-1.171	5.17341	-1.16754	.16354	.12649	-.00579	-.00600	-.09621	-.16115	.17402	-.190246
1.200	2.109	5.16234	-.01612	.16238	.11430	-.00702	.00468	-.09078	-.02409	.16191	-.14866
1.200	4.362	5.14145	.12637	.15955	.10359	-.00745	.00374	-.08488	.11378	.16615	-.67267
1.200	6.655	5.11545	.26834	.15787	.09591	-.00739	.00355	-.08130	.24823	.16701	1.32.04
1.200	8.923	5.08320	.40540	.15568	.09099	-.00736	.00342	-.07873	.37635	.16665	1.73709
1.199	11.190	5.04274	.54004	.15245	.08594	-.00731	.00347	-.07486	.50022	.16528	1.96719
1.199	13.430	4.99895	.67330	.14903	.08255	-.00720	.00340	-.07341	.61351	.16372	2.02217
1.200	15.698	4.94760	.79641	.14572	.08052	-.00709	.00330	-.07111	.72735	.16257	2.06479
1.199	17.946	4.88470	.92367	.14189	.07860	-.00697	.00321	-.06808	.83323	.16165	1.94023
1.200	20.175	4.81361	1.04373	.13784	.07623	-.00686	.00314	-.06584	.93817	.16052	1.67902
1.199	22.415	4.73570	1.15631	.13477	.07389	-.00674	.00306	-.06359	1.04174	.15957	1.70580

LARC8TPT-684 (LA-51) (B1FIM1) (WIE1SD) (V1)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = .000
 AIRLOV = .000 SDFLAP = -11.700
 SFDERK = .000

RUN NO. 135/ 0

HACH	ALPHA	BETA	CN	CA	CLM	CR	CYN	CY	CL	CC	L/D
.350	-2.142	-.00336	-.16636	.05420	.02798	.00184	.00014	.00668	-.16422	.06039	-2.71946
.350	-.004	-.00003	-.00910	.05580	.03144	.00249	.00026	.00550	-.06810	.05559	-1.62350
.350	2.468	.00121	.00497	.05391	.03677	.00294	-.00042	-.00139	.02662	.05537	.56310
.350	4.426	-.0114	.12054	.04973	.04155	.00273	.00051	.00175	.19639	.05969	2.15-.81
.350	6.066	-.00110	.21040	.04178	.04522	.00240	.00023	.00168	.20486	.05170	3.21146
.350	8.169	-.00065	.31035	.03260	.05064	.00200	.00006	.00126	.30249	.07721	3.09555
.351	10.223	-.00020	.42007	.02312	.05585	.00200	.00046	.00405	.41420	.09927	4.21470
.350	12.320	-.00230	.54052	.01413	.05673	.00319	.00003	.00476	.52506	.12913	4.06877
.350	14.345	-.00181	.67492	.01084	.05470	.00428	.00101	.00624	.63323	.17824	3.65480
.351	16.558	-.00076	.82132	.00735	.05510	.00485	.00140	.00801	.74531	.24065	3.26329
.350	18.664	-.00024	.96814	.00404	.05129	.00535	.00057	.00913	.81568	.31442	2.51230
.349	21.810	.00010	1.11930	.00223	.04530	.00573	.00140	-.00642	1.10733	.44552	2.48425

LA51 TABULATED SOURCE DATA

(RHVD12)

LARC8TPT-684(LA-51) (RIF1M1) (WIF1S1) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AILRCN = .000 BOFLAP = -11.700
 SPDBRK = .000

RUN NO. 134/ 0

HACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.800	-2.480	-.00793	-.22264	.05805	.04757	.00200	.00074	.00350	-.22008	.00843	-3.21874
.800	-.048	.00102	-.10103	.05030	.05072	.00210	.00053	-.00123	-.10188	.05040	-1.58501
.800	2.507	.00302	.00374	.05365	.05444	.00232	.00071	-.00246	.00169	.05074	.02871
.799	4.290	.00139	.12645	.05364	.05573	.00233	.00072	-.00162	.12209	.05294	1.63585
.800	7.037	.00306	.28092	.04994	.05383	.00340	.00141	-.00129	.27268	.05398	3.24711
.800	6.681	.00219	.37137	.04938	.05359	.00379	.00148	-.00291	.35966	.10486	3.42995
.800	11.021	.00078	.51615	.05001	.05117	.00448	.00158	-.00213	.49736	.14781	3.56476
.800	13.142	.00222	.66443	.05074	.04533	.00573	.00167	-.00315	.53535	.20052	3.16214
.800	15.454	.00498	.81893	.05370	.05905	.00808	.00150	-.00461	.77501	.26998	2.87885
.800	17.859	.00513	1.00921	.05211	.05307	.00551	.00215	-.00541	.84464	.35912	2.63047
.799	20.102	.00647	1.14352	.05331	.05242	.00578	.00242	-.00654	1.05554	.44300	2.38223
.799	22.456	.01415	1.19059	.05620	.07822	.00451	.00366	-.01257	1.07845	.50271	2.12913

RUN NO. 133/ 0

HACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.901	-2.448	-.00714	-.23833	.07318	.06590	.00255	.00110	.00216	-.23503	.08330	-2.82105
.901	-.062	.00300	-.09366	.07430	.05622	.00279	.00112	-.00271	-.05358	.07441	-1.25786
.901	2.386	.00572	.04175	.07429	.05449	.00104	.00111	-.00401	.03062	.07598	.50062
.900	4.328	.00704	.14240	.07221	.05535	.00172	.00107	-.00461	.13074	.08290	1.57100
.900	6.840	.00667	.27105	.07149	.05576	.00221	.00178	-.00526	.26006	.10235	2.54870
.900	8.887	.00786	.40935	.07270	.05310	.00337	.00263	-.00682	.39321	.13507	2.91121
.900	11.253	.00494	.56408	.07431	.05695	.00312	.00347	-.00638	.55874	.18295	2.94465
.901	13.535	.00827	.72447	.07674	.05706	.00468	.00398	-.00862	.68641	.24411	2.91593
.900	15.792	.01107	.87966	.07958	.05146	.00514	.00375	-.00900	.82480	.31596	2.61044
.901	18.194	.01294	1.03704	.08025	.05572	.00480	.00514	-.01240	.96014	.40003	2.40017
.899	21.032	.00583	1.13861	.08065	.07504	.00280	.00322	-.00667	1.09031	.49273	2.09033
.900	22.290	.00890	1.16027	.09105	.05998	.00297	.00348	-.00359	1.05920	.52439	1.98171

LAS1 TABULATED SOURCE DATA
LARC8TPT-684(LA-51) (81F1M1) (WIE1S1) (V1)

(RHV012)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
AILRON = .000 BDFLAP = -11.700
SPDBRK = .000

RUN NO. 132/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.979	-2.513	-.00790	-.23287	.12257	.07079	.00264	.00219	.00099	-.22727	.13266	-1.71315
.981	-.129	.00327	-.08738	.12440	.03568	.00232	.00159	-.00325	-.08710	.12460	-.69904
.980	1.959	.00751	.04357	.12371	.04443	.00232	.00171	-.00528	.03931	.12313	.31419
.980	4.545	.00804	.20539	.12097	.03275	.00201	.00208	-.00594	.19516	.13686	1.42591
.980	6.778	.00854	.34107	.11762	.02567	.00159	.00335	-.00764	.32481	.15706	2.06809
.980	9.321	.01012	.50530	.11651	.01443	.00307	.00442	-.00958	.47975	.19681	2.43760
.980	11.343	.00931	.64293	.11990	.00250	.00296	.00448	-.00931	.60679	.24401	2.46677
.980	13.704	.00493	.79857	.12086	-.00161	.00081	.00352	-.00627	.74721	.30960	2.43707
.981	16.187	.00738	.97911	.12635	-.00105	.00105	.00424	-.00824	.97507	.39428	2.29547
.980	18.465	.00834	1.13189	.12635	-.00514	.00055	.00401	-.00946	1.03296	.48025	2.13088
.980	20.815	.01212	1.28469	.13259	-.00054	.00112	.00463	-.01125	1.15373	.58046	1.98759
.990	21.907	.01036	1.34934	.13000	-.00389	.00022	.00451	-.01009	1.20341	.62404	1.92840

RUN NO. 131/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
1.200	-2.434	-.01244	-.20889	.13853	.07622	.00184	.00156	.00303	-.20283	.14708	-1.37906
1.200	-.016	-.00282	-.05721	.13795	.05078	.00195	.00137	-.00047	-.05717	.13796	-.41439
1.201	2.287	.00154	.08551	.13657	.02983	.00191	.00095	-.00158	.08640	.13979	.57513
1.201	4.445	.00093	.22133	.13451	.01187	.00129	.00079	-.00126	.21024	.15126	1.38991
1.200	7.060	.00269	.37647	.13210	-.00221	.00284	.00135	-.00259	.35738	.17737	2.01491
1.200	9.265	.00081	.51476	.13149	-.01389	.00246	.00143	-.00195	.46687	.21265	2.28953
1.200	11.720	.00151	.68036	.13247	-.03327	.00294	.00155	-.00237	.63927	.26791	2.38616
1.200	14.098	.00080	.82819	.13370	-.04569	.00136	.00168	-.00224	.77057	.33141	2.32542
1.200	16.388	.00271	.96197	.13761	-.03556	.00129	.00196	-.00332	.88456	.40343	2.19139
1.200	18.645	.00593	1.08462	.14195	-.05730	.00098	.00203	-.00474	.98242	.48096	2.04260
1.200	20.959	.00839	1.20404	.14299	-.03747	.00102	.00241	-.00623	1.07323	.56421	1.90217
1.200	23.094	.00709	1.30476	.14060	-.00320	.00102	.00242	-.00574	1.14905	.64112	1.78602

LA51 TABULATED SOURCE DATA

(RHVD13)

LARC07PT-684 (LA-51) (B1FIM1) (WIE191) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AIRCON = .000 BDFLAP = -11.700
 SPDBRK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.350	-2.138	-.00345	-.35616	.05589	.11471	.00157	-.00043	.00753	-.35303	.06914	-5.11766
.350	-.094	-.00409	-.26532	.05862	.11844	.00165	-.00039	.00875	-.26522	.05906	-4.49092
.350	.242	-.00259	-.25416	.05880	.11842	.00175	-.00029	.00559	-.25440	.05772	-4.40724
.351	2.135	-.00032	-.16741	.05827	.12263	.00229	-.00018	.00085	-.16947	.05199	-3.25983
.350	4.174	-.00136	-.07000	.05472	.12722	.00221	-.00072	.00361	-.07380	.04948	-1.49143
.350	6.017	-.00148	.01616	.04805	.13166	.00193	-.00069	.00380	.01103	.04948	.22296
.350	8.230	-.00331	.12118	.03679	.13849	.00187	-.00094	.00787	.11438	.05574	2.05205
.350	10.253	-.00301	.22536	.03081	.14427	.00216	-.00081	.00714	.21628	.07043	3.07085
.350	12.553	-.00353	.34724	.02153	.14934	.00229	-.00063	.00810	.33426	.09649	3.46430
.350	14.419	-.00266	.46340	.01636	.15072	.00348	-.00039	.00604	.44473	.13124	3.38871
.350	16.372	-.00159	.59524	.01250	.14619	.00275	.00027	.00308	.56758	.17978	3.15717
.349	18.527	-.00021	.73359	.00560	.14915	.00224	.00028	.00014	.69379	.23842	2.90999
.349	21.742	.00145	.97533	.00139	.14141	.00257	.00057	-.00385	.90343	.36258	2.49720

RUN NO. 139/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.800	-2.548	-.01089	-.39802	.05849	.13719	.00209	.00054	.00534	-.39458	.08612	-4.58192
.801	-.232	-.00245	-.27114	.07012	.13369	.00212	.00022	.00108	-.27085	.07122	-3.80326
.800	1.958	.00073	-.15634	.05850	.13497	.00217	.00002	-.00042	-.15859	.06312	-2.51270
.800	3.975	.00069	-.04729	.06390	.13539	.00204	.00010	-.00049	-.05161	.06047	-1.85344
.800	6.258	.00063	.07422	.05778	.13752	.00146	.00028	.00002	.06748	.06553	1.02978
.800	8.427	-.00143	.19395	.05574	.14039	.00143	.00079	-.00012	.18369	.08356	2.19836
.800	10.694	-.00397	.32122	.05578	.14608	.00219	.00097	.00110	.30529	.11442	2.66813
.800	13.125	-.00382	.46766	.05614	.15192	.00341	.00094	.00107	.44269	.16087	2.75179
.800	15.390	-.00068	.59992	.05647	.15732	.00637	.00120	-.00099	.56343	.21365	2.63713
.800	17.473	.00116	.74544	.05484	.15801	.00625	.00162	-.00252	.69457	.27614	2.51530
.799	19.749	.00227	.92376	.05175	.14418	.00528	.00206	-.00368	.85194	.36085	2.36093
.799	22.039	-.00116	1.07731	.04917	.13703	.00243	.00104	-.00051	.98013	.44983	2.17891

LA51 TABULATED SOURCE DATA

(RHV013)

LARC8PT-684(LA-51) (B1F1M1) (WIE1S1) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPDRK = .000

RUN NO. 136/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.900	-2.625	-.01231	-.41254	.08996	.16162	.00223	.00060	.00522	-.40798	.10876	-3.75113
.900	-.248	-.00276	-.26709	.09098	.15149	.00232	.00040	.00086	-.26670	.09213	-2.89469
.900	2.069	.00326	-.12570	.08941	.14069	.00234	.00017	-.00176	-.12885	.08481	-1.51920
.900	4.129	.00270	.00079	.08609	.13185	.00197	.00039	-.00174	-.00541	.08592	-.06301
.900	6.792	-.00112	.16030	.08278	.12723	.00013	.00096	-.00056	.14939	.10116	1.47681
.900	9.212	-.00169	.31572	.08099	.11827	.00142	.00075	-.00118	.29668	.13049	2.28890
.899	10.914	-.00041	.41469	.08137	.11699	.00190	.00194	-.00202	.39175	.13861	2.46992
.900	13.339	.00158	.57251	.08211	.11652	.00341	.00232	-.00343	.53812	.21198	2.53859
.900	15.532	.00430	.71556	.08174	.11489	.00482	.00294	-.00550	.66754	.27037	2.46895
.900	17.894	.00354	.86620	.08106	.12293	.00231	.00402	-.00638	.79940	.34329	2.32867
.899	20.151	.00493	.98735	.08469	.13550	.00180	.00363	-.00667	.89774	.41964	2.13933
.899	22.226	.00231	1.01767	.09414	.19449	-.00036	.00324	-.00490	.90645	.47209	1.92009

RUN NO. 137/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.981	-2.668	-.01204	-.41382	.13874	.17980	.00276	.00118	.00397	-.40692	.15785	-2.57784
.980	-.320	.00002	-.25449	.13431	.15900	.00284	.00117	-.00135	-.25373	.13573	-1.86941
.981	1.398	.00377	-.14397	.13419	.14515	.00250	.00095	-.00275	-.14720	.13064	-1.12679
.981	4.163	.00550	.02919	.13142	.12857	.00159	.00110	-.00369	.01957	.13319	.14694
.980	5.678	.00539	.19050	.12839	.11735	.00138	.00212	-.00482	.17428	.14967	1.16441
.980	8.916	.00364	.34708	.12669	.10104	.00012	.00249	-.00448	.32325	.17895	1.80635
.980	11.166	.00525	.50236	.12825	.08879	.00115	.00332	-.00616	.46802	.22310	2.09778
.979	13.688	.00236	.65852	.12750	.09175	-.00050	.00404	-.00569	.60965	.27971	2.17957
.979	15.974	.00500	.81873	.12976	.08353	.00007	.00399	-.00687	.75141	.35006	2.14649
.981	18.644	.00783	1.00750	.12826	.06864	-.00040	.00426	-.00852	.91363	.42361	2.05934
.980	20.616	.01194	1.13526	.12572	.07065	.00100	.00526	-.01165	1.01829	.51740	1.96809
.980	22.888	.00983	1.26117	.12536	.07655	-.00055	.00581	-.01136	1.11311	.60600	1.83662

LA51 TABULATED SOURCE DATA

LARC8TPT-604 (LA-51) (B1F1M1) (WIE1S1) (V1)

(RHV013)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
AILRON = .000 BOFLAP = -11.700
SPDRK = .000

RUN NO. 136/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
1.200	-2.502	-.01296	-.33038	.15811	.14812	.00168	.00131	.00351	-.32293	.17284	-1.86041
1.200	-.181	-.00389	-.17847	.15774	.12433	.00141	.00133	-.00002	-.17797	.15831	-1.12419
1.200	2.568	.00310	-.00706	.15382	.09870	.00152	.00098	-.00232	-.01394	.15335	-.09090
1.200	4.518	.00273	.11612	.15014	.08295	.00142	.00110	-.00232	.10393	.15882	-.65438
1.200	6.765	.00086	.25590	.14720	.06992	.00145	.00138	-.00191	.23677	.17632	1.34285
1.200	9.109	.00069	.40355	.14333	.05512	.00134	.00136	-.00183	.37577	.20541	1.82938
1.200	11.508	-.00236	.56100	.14050	.03959	.00089	.00115	-.00039	.52169	.24960	2.09010
1.199	13.996	-.00318	.72300	.14145	.02331	.00082	.00121	-.00012	.66733	.31212	2.13808
1.200	16.258	.00044	.85849	.13835	.01376	.00076	.00164	-.00206	.78543	.37316	2.10480
1.200	18.577	.00415	.98946	.13682	.00997	.00081	.00194	-.00391	.89432	.44491	2.01014
1.199	20.860	.00452	1.10383	.13749	.01109	.00063	.00233	-.00453	.98252	.52154	1.88369
1.199	23.135	.00502	1.21040	.13527	.01871	.00065	.00251	-.00498	1.05991	.59996	1.76664

LARC8TPT-604 (LA-51) (B1F1M1) (WIE1S2) (V1)

(RHV014)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
AILRON = .000 BOFLAP = -11.700
SPDRK = .000

RUN NO. 80/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.348	-2.064	-.00307	-.14569	.05414	.02131	-.00050	-.00048	.00687	-.14364	.05935	-2.42015
.349	-.020	-.00096	-.05537	.05574	.02358	-.00042	-.00034	.00235	-.05535	.05576	-.99276
.348	2.025	-.00005	.03479	.05448	.02725	-.00043	-.00117	.00145	.03284	.05568	.58985
.349	4.064	-.00104	.13427	.04961	.03002	-.00052	-.00077	.00301	.13042	.05900	2.21026
.350	6.113	-.00179	.23326	.04255	.03346	-.00097	-.00099	.00482	.22740	.06714	3.38674
.349	8.163	-.00090	.33426	.03431	.03902	-.00068	-.00087	.00285	.32600	.08142	4.00309
.349	10.236	-.00116	.44065	.02514	.04582	-.00038	-.00077	.00330	.42917	.10305	4.16484
.349	12.206	-.00169	.56257	.01840	.05046	.00011	.00065	.00281	.54577	.13768	3.96397
.349	14.344	.00002	.68526	.01520	.04787	.00175	.00037	-.00046	.66013	.18449	3.57810
.349	16.405	.00012	.81051	.01196	.04776	.00175	-.00090	.00078	.77414	.24039	3.22037
.349	18.467	-.00050	.94421	.01190	.04463	.00119	-.00093	.00232	.89182	.31038	2.87335
.349	20.525	-.00071	1.06271	.01668	.04459	.00164	-.00131	.00305	.98040	.38822	2.54854

LA51 TABULATED SOURCE DATA

LARC8TPT-684 (LA-51) (B1F1M1) (M1E1S2) (V1)

(RHVD14)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AILRON = .000 BDELAP = -11.700
 SPD8RK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.801	-2.322	-.01116	-.19662	.05832	.03989	-.00119	-.00015	.00627	-.19410	.06624	-2.93043
.801	-.105	-.00338	-.08322	.05942	.04104	-.00061	-.00016	.00203	-.08311	.05957	-1.39516
.801	2.105	.00249	.02583	.05795	.04289	-.00052	-.00046	-.00083	.02369	.05886	.40241
.800	4.315	.00447	.14924	.05380	.04072	-.00097	-.00053	-.00184	.14477	.06487	2.23155
.801	6.545	.00182	.27726	.05179	.03866	.00006	.00038	-.00144	.26955	.08306	3.24518
.800	8.761	.00075	.39647	.05222	.03945	.00008	.00049	-.00098	.38389	.11200	3.42769
.801	10.998	.00048	.52546	.05438	.04239	.00044	.00064	-.00100	.50544	.15363	3.29002
.800	13.253	.00476	.64840	.05595	.04683	.00349	.00113	-.00397	.61831	.20311	3.04423
.801	15.464	.00153	.77273	.05893	.04948	.00100	-.00001	-.00085	.72905	.26284	2.77376
.801	17.704	.00356	.92144	.06241	.04128	.00100	-.00031	-.00168	.85882	.33967	2.52841
.800	19.960	.00808	1.05808	.06384	.04207	.00206	.00058	-.00536	.97272	.42120	2.30942
.800	21.826	.00929	1.10818	.06786	.07305	-.00061	.00060	-.00615	1.00352	.47500	2.11265

RUN NO. 79/ 0

RUN NO. 78/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.900	-2.377	-.01087	-.21742	.07259	.05582	-.00101	-.00002	.00324	-.21422	.08155	-2.62696
.900	-.109	-.00011	-.08158	.07412	.04698	.00012	-.00040	.00051	-.08144	.07428	-1.09639
.899	2.125	.00206	.03794	.07386	.04513	-.00033	-.00034	-.00060	.03517	.07521	.46765
.900	4.393	.00438	.16421	.07275	.04268	-.00033	-.00030	-.00176	.15815	.08512	1.85806
.900	5.644	.00359	.29260	.07433	.03925	.00001	.00074	-.00257	.28204	.10769	2.61907
.900	8.941	.00617	.43108	.07537	.03373	.00018	.00143	-.00462	.41412	.14146	2.92757
.899	11.215	.00885	.56690	.07900	.02881	.00036	.00261	-.00731	.54071	.18775	2.88000
.899	13.464	.00857	.69593	.08250	.02383	-.00040	.00330	-.00800	.63760	.24227	2.71436
.900	15.743	.01183	.83623	.08737	.01407	.00077	.00405	-.01052	.78116	.31098	2.51194
.900	18.026	.01035	.97608	.09061	.01037	.00056	.00298	-.00863	.90013	.38821	2.31865
.900	20.237	.01327	1.07025	.09535	.03163	.00105	.00274	-.00990	.97121	.45968	2.11281
.899	22.166	.00352	1.10166	.10084	.08323	.00046	.00090	-.00285	.98219	.50904	1.92950

LA51 TABULATED SOURCE DATA

(RHHV14)

LARCOTPT-604 (LA-51) (B1F1M1) (WIE192) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 ALLRON = .000 BDFLAP = -11.700
 SPDBRK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.980	-2.395	-.00988	-.21572	.12302	.06355	-.00002	.00101	.00321	-.21031	.13392	-1.57038
.980	-.094	-.00099	-.07117	.12615	.04712	-.00023	.00087	-.00055	-.07096	.12627	-.56198
.981	2.201	.00688	.06923	.12332	.03311	-.00031	.00081	-.00397	.06437	.12769	.50334
.980	4.513	.00609	.21618	.12203	.02142	-.00078	.00117	-.00404	.20591	.13866	1.48499
.979	6.813	.00666	.35533	.11983	.01359	-.00082	.00227	-.00556	.33860	.16116	2.10107
.980	9.129	.00985	.50385	.12999	.01168	-.00005	.00314	-.00800	.47796	.20137	2.37356
.980	11.445	.00803	.65312	.12724	-.01104	-.00077	.00345	-.00757	.61489	.25431	2.41789
.980	13.768	.00439	.81038	.13382	-.02653	-.00120	.00308	-.00552	.75522	.32278	2.33970
.979	16.112	.00677	.96754	.13706	-.04408	-.00434	.00261	-.00610	.89150	.40017	2.22780
.981	18.428	.01048	1.11196	.14174	-.05102	-.00310	.00363	-.00902	1.01013	.48598	2.07856
.980	20.695	.01302	1.23991	.14115	-.04962	-.00302	.00374	-.01043	1.11002	.57022	1.94665
.980	21.243	.01122	1.27408	.14087	-.04801	-.00292	.00414	-.01005	1.13646	.59294	1.91667

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
1.200	-2.388	-.01138	-.19332	.14427	.06749	-.00002	.00086	.00341	-.18714	.15220	-1.22961
1.200	-.065	.00108	-.04667	.14331	.04088	.00043	.00073	-.00125	-.04651	.14336	-.32442
1.200	2.208	.00398	.09895	.14115	.01585	.00026	.00053	-.00214	.09324	.14499	.64309
1.200	4.604	.00344	.24350	.13953	-.00560	-.00057	.00061	-.00203	.23151	.15863	1.45948
1.200	6.941	.00464	.37996	.13997	-.01980	.00147	.00086	-.00279	.36026	.18486	1.94884
1.201	9.271	.00510	.52093	.14151	-.03278	.00058	.00114	-.00331	.49133	.22359	2.19747
1.201	11.616	.00302	.66212	.14319	-.04339	.00024	.00140	-.00279	.61973	.27357	2.26537
1.200	13.970	.00379	.80303	.14457	-.05362	-.00070	.00085	-.00248	.74438	.33415	2.22768
1.200	16.286	.00785	.92960	.14572	-.05850	.00003	.00109	-.00440	.85143	.40057	2.12554
1.200	18.597	.01002	1.05024	.14600	-.05758	-.00007	.00106	-.00529	.94884	.47330	2.00472
1.200	20.915	.01387	1.16791	.14427	-.05248	-.00038	.00127	-.00719	1.03945	.55169	1.88412
1.200	22.793	.01597	1.24972	.14011	-.04046	-.00022	.00189	-.00885	1.09786	.61331	1.79005

LAS1 TABULATED SOURCE DATA

(RHV015)

LARC87HT-684 (LA-51) (B1F1M1) (W1E1S2) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AIRLON = .000 BDFLAP = -11.700
 SPCBRK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.349	-2.129	-.00305	-.36115	.05590	.11961	.00137	-.00017	.00645	-.35882	.06927	-5.18004
.349	-.106	-.00033	-.27402	.05889	.12071	.00153	-.00002	.00069	-.27391	.05940	-4.61111
.349	1.947	-.00053	-.18629	.05848	.12502	.00134	-.00090	.00211	-.18817	.05211	-3.61062
.349	3.996	-.00084	-.08670	.05516	.12841	.00106	-.00080	.00264	-.09034	.04898	-1.84422
.348	6.032	-.00010	.00559	.04952	.13341	.00116	-.00133	.00173	.00036	.04983	.00713
.349	8.094	-.00142	.10920	.04201	.14039	.00146	-.00127	.00440	.00220	.05697	1.79395
.348	10.144	-.00075	.20937	.03401	.14820	.00140	-.00087	.00256	.20011	.07036	2.84427
.349	12.201	-.00074	.32257	.02572	.15314	.00170	-.00040	.00202	.30985	.09330	3.32083
.349	14.262	.00009	.45320	.02331	.14924	.00179	.00117	-.00153	.43349	.13424	3.22922
.349	16.324	-.00021	.57943	.01947	.15253	.00411	.00080	-.00045	.55060	.18155	3.03284
.348	18.368	.00123	.69260	.01500	.15384	.00347	.00010	-.00278	.65259	.23248	2.80709
.348	20.442	.00128	.83166	.01438	.14734	.00492	-.00168	-.00089	.77427	.30393	2.54750

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.800	-2.560	-.00092	-.40203	.06859	.14167	.00153	.00040	.00496	-.39857	.08648	-4.60877
.801	-.365	-.00162	-.28023	.07038	.13618	.00143	.00024	.00061	-.27977	.07216	-3.87694
.800	1.847	.00342	-.16876	.06925	.13669	.00115	-.00012	-.00173	-.17090	.06377	-2.67997
.800	4.070	.00405	-.04585	.06464	.13730	.00118	-.00039	-.00178	-.00033	.06122	-.82199
.800	6.291	.00344	.07538	.05979	.13902	.00028	.00013	-.00204	.06837	.06769	1.01012
.800	8.517	.00168	.19967	.05857	.14025	.00095	.00051	-.00151	.18879	.08750	2.15760
.801	10.738	.00023	.32253	.06057	.14633	.00113	.00075	-.00099	.30560	.11959	2.55528
.800	12.983	.00148	.44024	.06018	.15891	.00299	.00087	-.00182	.41546	.15755	2.63704
.800	15.153	.00085	.53897	.06305	.17000	.00133	.00005	-.00053	.50375	.20174	2.49697
.801	17.402	.00374	.66855	.06727	.17083	.00126	-.00033	-.00176	.61784	.26413	2.33910
.800	19.666	.00323	.82425	.06608	.16743	.00320	-.00009	-.00178	.75393	.33961	2.22001
.800	21.854	.00348	.91661	.06834	.18612	.00298	.00057	-.00271	.82530	.40463	2.03962

LA51 TABULATED SOURCE DATA

(RHO015)

LARC8TPT-684 (LA-51) (B1F1M1) (W1E1S2) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPOBRK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.900	-2.681	-.00976	-.42163	.09117	.16457	.00160	.00061	.00398	-.41691	.11079	-3.76312
.901	-.389	-.00051	-.27726	.09231	.15236	.00184	.00007	.00016	-.27663	.09418	-2.93705
.900	1.893	.00410	-.13896	.09081	.14113	.00172	-.00018	-.00176	-.14189	.08618	-1.64647
.901	4.172	.00460	.00234	.08829	.13113	.00121	.00012	-.00234	-.00409	.08823	-.04639
.900	6.462	.00389	.14160	.08502	.12604	.00091	.00107	-.00310	.13114	.10042	1.30594
.900	8.730	.00426	.27907	.08340	.12099	.00063	.00131	-.00356	.26287	.12677	2.07364
.901	11.013	.00559	.42610	.08716	.11222	.00144	.00192	-.00492	.40160	.16695	2.40553
.899	13.255	.00236	.53866	.08875	.11379	.00025	.00217	-.00364	.50396	.20989	2.40106
.900	15.325	.00451	.66945	.08989	.11244	.00144	.00244	-.00502	.52097	.26579	2.33629
.900	17.798	.00521	.80260	.09013	.11183	.00089	.00189	-.00479	.73664	.33114	2.22458
.900	20.024	.01341	.91183	.09354	.12845	.00228	.00331	-.01062	.82467	.40012	2.06108
.900	22.212	-.00082	.96413	.10268	.17533	.00111	.00129	-.00105	.85376	.45954	1.85785

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.980	-2.498	-.00589	-.40837	.13967	.18141	.00236	.00112	.00219	-.40190	.15733	-2.55446
.981	-.279	.00178	-.25803	.13743	.15868	.00257	.00109	-.00230	-.25736	.13868	-1.85575
.981	1.955	.00684	-.11318	.13590	.14025	.00199	.00098	-.00515	-.11775	.13196	-.89232
.980	4.180	.00826	.03000	.13364	.12522	.00132	.00097	-.00599	.02016	.13567	.14862
.980	6.409	.00605	.17525	.13206	.11163	.00051	.00191	-.00576	.15941	.15080	1.05713
.980	8.652	.00478	.33058	.13301	.09438	-.00009	.00248	-.00569	.30681	.18122	1.69300
.980	10.897	.00419	.48694	.13591	.07779	-.00007	.00263	-.00552	.45247	.22552	2.00635
.979	13.129	.00498	.63297	.13877	.06563	.00001	.00349	-.00701	.58490	.27892	2.09701
.979	15.354	.00884	.77190	.13711	.05819	.00067	.00396	-.00993	.70805	.33660	2.10352
.980	17.584	.01021	.92223	.13703	.04515	.00140	.00379	-.01065	.83775	.40923	2.04715
.981	19.811	.00962	1.05246	.13540	.04369	-.00003	.00386	-.01043	.94420	.48410	1.95080
.980	22.025	.01224	1.16983	.13218	.04998	-.00015	.00338	-.01164	1.03489	.56124	1.84395

LAS1 TABULATED SOURCE DATA

(RHYD15)

LARC8TPT-684 (LA-51) (B1F1M1) (M1E1S2) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPDPRK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
1.200	-2.447	-.00806	-.31619	.16371	.14342	.00112	.00120	.00277	-.30891	.17706	-1.74464
1.200	-.195	.00009	-.17428	.16280	.11157	.00106	.00113	-.00134	-.17372	.16339	-1.06320
1.201	2.051	.00422	-.03205	.15973	.09474	.00110	.00085	-.00315	-.03774	.15848	-.23814
1.201	4.289	.00443	.10497	.15708	.07426	.00125	.00073	-.00312	.09293	.16449	56496
1.200	6.540	.00622	.24085	.15488	.05770	.00144	.00120	-.00459	.22164	.18131	1.22246
1.200	8.786	.00258	38463	.15310	.04040	.00069	.00120	-.00272	.35673	.21005	1.69829
1.200	11.037	.00192	.52313	.15016	.02832	.00094	.00116	-.00233	.48470	.24753	1.95816
1.200	13.281	.00149	.66275	.14801	.01644	.00014	.00096	-.00169	.61103	.29630	2.06217
1.200	15.541	.00582	.79106	.14632	.01077	.00144	.00132	-.00462	.72293	.35292	2.04844
1.200	17.744	.00697	.90955	.14347	.00816	.00159	.00127	-.00523	.82255	.41385	1.98755
1.200	19.962	.00896	1.02059	.14053	.01184	.00075	.00090	-.00594	.91130	.48051	1.89650
1.199	22.173	.01360	1.12437	.13649	.02209	.00127	.00162	-.00942	.98972	.55073	1.79709

(RHYD16)

LARC8TPT-684 (LA-51) (B1F1M1) (M1E1S2) (V1)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPDPRK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.350	-2.144	5.02975	-.34680	.05258	.10753	.00257	.00222	-.07023	-.34459	.06552	-5.25922
.350	-.081	5.03540	-.25626	.05582	.11153	.00165	.00173	-.07430	-.25618	.05918	-4.55981
.350	1.980	5.03223	-.16965	.05595	.11630	.00046	.00145	-.07346	-.17148	.05006	-3.42554
.349	4.019	5.02235	-.06752	.05286	.12045	-.00118	.00124	-.07246	-.07106	.04800	-1.48048
.349	8.074	5.00614	.02736	.04711	.12590	-.00273	.00098	-.07125	.02222	.04974	.44679
.350	8.134	4.98364	.13117	.03918	.13306	-.00488	.00196	-.07171	.12431	.05735	2.16773
.349	10.193	4.95447	.23312	.03160	.13957	-.00513	.00235	-.07117	.22385	.07236	3.59365
.349	12.257	4.91096	.35045	.02344	.14298	-.00614	.00194	-.07212	.33749	.09731	3.46915
.349	14.358	4.87844	.48265	.02139	.13962	-.00731	.00379	-.07480	.46232	.14025	3.29644
.349	16.403	4.83101	.60595	.01562	.13966	-.00899	.00436	-.07665	.57688	.18610	3.09983
.349	18.478	4.77750	.72449	.00992	.14161	-.00951	.00458	-.07875	.68399	.23903	2.86153
.349	20.543	4.71917	.86591	.00493	.13923	-.00718	.00654	-.08521	.80912	.30847	2.62304

LA51 TABULATED SOURCE DATA
(RHH016)
LARC8TPT-684(LA-51) (BIF1M1) (WIE192) (V1)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
AIIURON = .000 BDFLAP = -11.700
SPDBRK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.800	-2.500	5.14277	-39001	.06520	.13417	.00533	.00497	-.08654	-.39467	.08305	-4.75200
.800	-3.327	5.15074	-27007	.06816	.12848	.00263	.00453	-.08755	-.26968	.06970	-3.86943
.801	1.089	5.14785	-15587	.06780	.12920	.00050	.00362	-.08630	-.15800	.06267	-2.52091
.800	4.103	5.13376	-03866	.06357	.13186	.00128	.00310	-.08378	-.04311	.06064	-7.1096
.800	6.334	5.11545	.08823	.05772	.13340	.00469	.00371	-.08437	.08132	.06710	1.21194
.801	8.562	5.08753	.21340	.05674	.13622	.00484	.00407	-.08356	.20257	.08787	2.30524
.800	10.817	5.05075	.33466	.05876	.14347	.00416	.00421	-.08225	.31768	.12052	2.63586
.800	13.036	5.01278	.45197	.05826	.15148	.00493	.00460	-.08434	.42718	.15871	2.69157
.800	15.243	4.96566	.55218	.06040	.16739	.00992	.00299	-.08308	.51687	.20345	2.54055
.800	17.516	4.91634	.69337	.06092	.16788	.01092	.00335	-.08808	.64288	.26678	2.40976
.801	19.789	4.86496	.83749	.06132	.16971	.00715	.00436	-.09705	.76720	.34143	2.24705
.800	22.028	4.80448	.96642	.06091	.16932	.00512	.00677	-.10650	.87303	.41894	2.08392

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.899	-2.670	5.17175	-40829	.08626	.15190	.00732	.00492	-.09062	-.40382	.10519	-3.83917
.901	-3.357	5.18175	-26324	.09010	.14011	.00422	.00495	-.09266	-.26267	.09173	-2.86343
.900	1.918	5.18118	-12319	.08937	.12898	.00175	.00461	-.09339	-.12612	.08520	-1.48032
.900	4.216	5.16834	.02172	.08600	.12096	.00070	.00386	-.09165	.01534	.08737	.17558
.899	6.490	5.14494	.15138	.08265	.11973	.00282	.00363	-.08940	.14107	.09923	1.42162
.901	8.799	5.11493	.29441	.08271	.11416	.00254	.00308	-.08748	.27830	.12677	2.19529
.900	11.083	5.07694	.43710	.08370	.10772	.00447	.00189	-.08492	.41293	.16618	2.48485
.901	13.351	5.03226	.56308	.08446	.10661	.00695	.00128	-.08227	.52836	.21220	2.48997
.900	15.618	4.98932	.68833	.08576	.10004	.00845	.00052	-.08658	.63983	.26790	2.38829
.900	17.913	4.94285	.81735	.08646	.11540	.00923	-.00003	-.09247	.75114	.33366	2.25121
.900	20.159	4.89602	.91851	.08897	.13918	.00595	.00051	-.10293	.83158	.40006	2.07862
.900	22.344	4.81360	.97447	.09454	.18772	.00314	.00371	-.10103	.86537	.45790	1.88986

LA51 TABULATED SOURCE DATA

LARC8TPT-684 (LA-51) (B1F1M1) (W1E1S2) (V1) (RHVD16)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 AIRLON = .000 BOFLAP = -11.700
 SPDRK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.980	-2.498	5.14770	-.39363	.13950	.16683	.00407	.00842	-.09947	-.38717	.15653	-2.47354
.980	-.254	5.15659	-.24623	.13830	.14566	.00035	.00804	-.10141	-.24562	.13938	-1.76217
.980	1.986	5.15209	-.09882	.13599	.12906	.00171	.00724	-.09963	-.10347	.13248	-.78102
.979	4.235	5.13695	.05334	.13246	.11431	-.00363	.00642	-.09627	.04342	.13603	.31916
.979	6.470	5.11364	.19440	.13091	.10457	-.00434	.00657	-.09367	.17841	.15198	1.17388
.979	8.727	5.08188	.34527	.13174	.09046	-.00504	.00663	-.09073	.32129	.18260	1.75951
.979	10.971	5.03829	.50135	.13421	.07529	-.00689	.00455	-.08278	.46665	.22717	2.05419
.979	13.211	4.99518	.64395	.13588	.06797	-.00930	.00346	-.08071	.59585	.27945	2.13225
.979	15.450	4.95166	.79551	.13347	.05582	-.00684	.00370	-.08460	.73121	.34057	2.14704
.979	17.684	4.89704	.92549	.13192	.04332	-.00776	.00158	-.08346	.84168	.40682	2.06892
.979	19.886	4.83011	1.04380	.12976	.03073	-.01090	-.00207	-.07705	.93741	.47708	1.96492
.979	22.081	4.77225	1.14734	.12730	.01588	-.01049	-.00119	-.08590	1.01533	.54927	1.84849

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
1.200	-2.436	5.17126	-.30521	.16352	.13512	-.00293	.00936	-.10126	-.29798	.17634	-1.68982
1.200	-.175	5.17192	-.16396	.16174	.11044	-.00413	.00755	-.09714	-.16347	.16223	-1.00759
1.200	2.071	5.16593	-.02157	.15906	.08767	-.00419	.00560	-.09355	-.02731	.15818	-.17263
1.200	4.332	5.14819	.11688	.15560	.06769	-.00439	.00412	-.08853	.10479	.16399	.63902
1.200	6.570	5.12277	.25013	.15292	.05363	-.00450	.00303	-.08397	.23099	.18054	1.27946
1.200	8.836	5.08807	.39381	.15155	.03842	-.00573	.00221	-.07915	.36586	.21025	1.74015
1.199	11.109	5.05044	.53364	.15019	.02655	-.00804	.00137	-.07690	.49470	.25020	1.97723
1.200	13.356	5.00829	.66893	.14718	.01671	-.00778	-.00001	-.07551	.61684	.29772	2.07187
1.200	15.617	4.96196	.79308	.14429	.01234	-.00691	-.00138	-.07622	.72496	.35246	2.05685
1.200	17.842	4.90505	.91155	.14151	.01219	-.00639	-.00361	-.07386	.82435	.41399	1.99123
1.200	20.058	4.84188	1.02204	.13804	.01849	-.00634	-.00610	-.07172	.91271	.48020	1.90069
1.201	22.295	4.76999	1.12358	.13188	.03103	-.00672	-.00906	-.06855	.98955	.54829	1.80479

LA51 TABULATED SOURCE DATA

(RHO017)

LARC01PT-604 (LA-51) (02F1M1) (WIE1SD) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AIRCON = .000 BDFLAP = -11.700
 SPDRBK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.349	-2.035	-.00200	-.13329	.05407	.03138	.00261	.00022	.00385	-.15127	.05948	-2.54311
.350	.090	-.00070	-.06135	.05338	.03105	.00276	-.00025	.00172	-.06144	.05528	-1.11127
.349	4.140	.00013	.12710	.04814	.02986	.00254	-.00028	.00003	.12329	.05719	2.15598
.349	6.208	-.00077	.22658	.03963	.02830	.00216	-.00016	.00176	.22096	.06390	3.45797
.350	8.769	-.00167	.38272	.02585	.02755	.00280	-.00021	.00370	.34465	.07932	4.34501
.350	11.382	-.00037	.48519	.01168	.02571	.00235	.00013	.00063	.47338	.10704	4.42237
.349	12.790	-.00003	.56470	.00544	.02237	.00387	.00146	-.00155	.54957	.12993	4.22982
.350	14.694	-.00067	.68232	.07637	.01134	.00545	.00056	.00077	.65024	.17982	3.66059
.350	16.597	.00048	.80020	.00671	.00122	.00433	.00028	-.00136	.76494	.23500	3.25506
.349	18.410	.00143	.91436	.00110	-.00692	.00330	.00059	-.00376	.86721	.28981	2.99235
.349	20.511	.00292	1.04537	-.00365	-.01396	.00490	.00221	-.00890	.98038	.36286	2.70181

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.801	-2.331	-.00672	-.20895	.05887	.05165	.00288	.00061	.00298	-.20638	.06732	-3.06580
.802	-.110	.00080	-.09660	.06025	.04929	.00307	.00062	-.00114	-.09649	.06044	-1.59653
.802	.380	.00085	-.08898	.05992	.04904	.00287	.00066	.00122	-.06938	.05946	-1.16681
.800	2.303	.00537	.02809	.05763	.04703	.00289	.00050	-.00351	.02575	.05871	.43856
.801	4.201	.00551	.12894	.05393	.04255	.00234	.00050	-.00359	.12464	.06323	1.97123
.801	6.686	.00675	.26937	.04931	.03487	.00298	.00155	-.00548	.26182	.08024	3.26288
.800	8.671	.00206	.36825	.04900	.03111	.00285	.00142	-.00276	.35665	.10396	3.43074
.800	10.885	.00249	.48448	.05202	.02585	.00282	.00183	-.00348	.46593	.14257	3.26806
.801	13.245	.00250	.61570	.05498	.01805	.00377	.00144	-.00305	.58673	.19459	3.01514
.801	15.341	.00763	.75138	.05835	.00044	.00632	.00129	-.00579	.70917	.25505	2.78049
.800	17.534	.001268	.87833	.05779	-.00395	.00711	.00064	-.00799	.82012	.31972	2.56513
.799	20.015	.01280	1.00591	.05921	-.00129	.00506	.00100	-.00860	.92489	.39992	2.31269
.800	21.799	.01407	1.05581	.06294	.01841	.00190	.00251	-.01115	.95694	.45052	2.12409

LAS1 TABULATED SOURCE DATA

(RHVD17)

LARC8TPT-684(LA-51) (B2F1M1) (MIE1SD) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 ATLRON = .000 BDFLAP = -11.700
 SPDRK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CV	CL	CD	L/D
.901	-2.448	-.00614	-.23598	.07423	.06986	.00253	.00144	.00130	-.23259	.08425	-2.76084
.901	-.131	.00464	-.09240	.07518	.05406	.00327	.00122	.00331	-.09224	.07537	-1.22374
.900	.111	.00402	-.08155	.07458	.05437	.00306	.00113	.00322	-.08169	.07452	-1.09631
.900	2.141	.00609	.02803	.07490	.04945	.00107	.00052	.00351	.02522	.07590	.33226
.900	4.427	.00595	.15768	.07306	.04087	-.00035	.00066	.00361	.15157	.08501	1.78292
.901	6.723	.00716	.28593	.07282	.03336	.00156	.00212	.00097	.27544	.19579	2.60367
.900	9.888	.00511	.39947	.07439	.02650	.00115	.00275	.00562	.36318	.13521	2.83390
.901	11.077	.00766	.52616	.07823	.00819	.00323	.00381	.00009	.50132	.17785	2.81868
.901	13.327	.01066	.66556	.09172	-.01288	.00375	.00352	.00927	.62880	.23294	2.69946
.900	15.532	.01008	.79857	.08461	-.02858	.00256	.00330	.00879	.74675	.29535	2.52835
.900	17.810	.00997	.91726	.09610	-.03196	.00223	.00164	.00589	.84696	.36233	2.33629
.900	20.157	.02886	1.02760	.09019	-.01703	-.00017	.00304	.01621	.93358	.43878	2.12768
.899	22.059	.01174	1.05026	.08890	.01929	-.00758	-.00002	.00005	.93966	.47748	1.96797

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CV	CL	CD	L/D
.980	-2.294	-.00539	-.21259	.12567	.07059	.00308	.00165	.00129	-.20739	.13408	-1.54677
.980	-.108	.00181	-.07838	.12619	.05187	.00317	.00125	.00249	-.07815	.12633	-.61858
.980	2.043	.00640	.05899	.12529	.03335	.00242	.00118	.00513	.05449	.12731	.42798
.979	4.237	.00705	.18925	.12280	.01969	.00214	.00181	.00623	.17966	.13645	1.31671
.980	6.681	.00725	.33780	.12083	.00473	.00217	.00297	.00770	.32144	.15931	2.01770
.979	8.839	.01067	.46641	.12024	-.01156	.00290	.00382	.01074	.44239	.19049	2.32241
.979	11.034	.00896	.60726	.12430	-.03267	.00270	.00366	.00956	.57225	.23823	2.40212
.979	13.090	.00951	.73454	.12766	-.04973	.00329	.00387	.01018	.68654	.29070	2.36166
.980	15.401	.01438	.87789	.13126	-.06386	.00454	.00493	.01442	.81151	.35968	2.25617
.979	17.597	.01010	1.01949	.13501	-.08924	.00136	.00400	.01082	.93097	.43690	2.13084
.979	19.799	.01153	1.15623	.13632	-.10517	-.00056	.00387	.01165	1.04164	.52009	2.07282
.979	22.014	.00905	1.26472	.13534	-.10230	-.00226	.00271	.00885	1.12178	.59954	1.87107

LA51 TABULATED SOURCE DATA

(RHV017)

LARC8TPT-684(LA-51) (B2F1M1) (WIE1S0) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AILRON = .000 BDFLAP = -11.700
 SPDBRK = .000

RUN NO. 56/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
1.199	-2.321	-.00064	-.19843	.14231	.07585	.00188	.00123	.00305	-.19250	.15023	-1.28139
1.199	-.970	-.00026	-.05293	.14189	.04395	.00218	.00115	-.00119	-.03276	.14196	-.37166
1.200	.132	.00012	-.03979	.14153	.04089	.00227	.00124	-.00148	-.04012	.14144	-.28364
1.200	2.690	.00329	.11933	.14027	.00905	.00140	.00088	-.00270	.11261	.14572	.77281
1.200	4.364	.00266	.22167	.14026	-.00964	.00112	.00073	-.00221	.21036	.15672	1.34223
1.200	6.499	.00460	.34564	.13888	-.02830	.00285	.00087	-.00338	.32770	.17711	1.85028
1.200	8.953	.00275	.48180	.13714	-.04335	.00132	.00113	-.00273	.45459	.21044	2.16014
1.200	11.231	.00173	.62420	.13812	-.06422	.00105	.00095	-.00199	.58534	.25706	2.27710
1.199	13.274	.00282	.75213	.13847	-.08302	.00138	.00147	-.00317	.70024	.30747	2.27746
1.199	15.827	.00640	.88265	.14060	-.09809	.00161	.00138	-.00500	.81216	.37316	2.17641
1.199	17.744	.00772	.99162	.14185	-.10728	.00184	.00103	-.00535	.90121	.43732	2.06078
1.199	20.002	.00996	1.09677	.14206	-.11026	.00110	.00131	-.00696	.98202	.50865	1.93065
1.199	22.213	.01149	1.19557	.14030	-.10922	.00090	.00153	-.00815	1.05379	.58108	1.81101

(RHV018)

LARC8TPT-684(LA-51) (B2F1M1) (WIE1S0) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPDBRK = .000

RUN NO. 55/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
1.352	-2.190	-.00261	-.35793	.05579	.12001	.00234	.00011	.00514	-.35554	.06943	-5.12120
1.353	-.134	-.00252	-.26433	.05878	.11807	.00222	-.00036	.00546	-.26419	.05940	-4.44776
1.353	1.890	-.00187	-.17516	.05814	.12095	.00247	-.00056	.00440	-.17698	.05233	-3.38233
1.352	4.016	-.00153	-.08185	.05430	.12056	.00246	-.00043	.00357	-.08545	.04843	-1.76435
1.351	6.268	-.00247	.02412	.04662	.12151	.00239	-.00028	.00536	.01888	.04897	.38561
1.351	8.121	-.00184	.11181	.03789	.12257	.00246	-.00048	.00431	.10534	.05331	1.97606
1.351	10.067	-.00264	.20697	.02761	.12247	.00282	-.00007	.00552	.19895	.06336	3.13990
1.351	12.366	-.00090	.32968	.01718	.11798	.00208	.00056	.00122	.31836	.08739	3.64303
1.350	14.205	-.00083	.43597	.01358	.11027	.00206	.00143	.00012	.41931	.12015	3.48985
1.350	16.253	-.00064	.56271	.01138	.09942	.00390	.00050	.00070	.53704	.16841	3.10880
1.351	18.304	.00017	.69270	.00377	.09015	.00413	.00007	-.00043	.65647	.22113	2.96871
1.350	20.406	.00151	.82605	-.00096	.08197	.00457	.00170	-.00522	.77455	.28712	2.69764

LARC8TFT-664 (LA-51) (B2F1M1) (WIE150) (V1)

(RHV018)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPOBRK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.801	-2.644	-.01193	-.40801	.06227	.14768	.00193	.00071	.00570	-.40442	.08702	-4.64755
.801	-.395	-.00287	-.28046	.06983	.13718	.00175	.00036	.00418	-.27997	.07176	-3.90165
.801	2.007	.00070	-.15553	.06925	.13330	.00178	.00027	-.00070	-.15703	.06276	-2.51462
.801	3.985	.00273	-.00030	.06405	.13116	.00207	.00046	-.00202	-.05463	.06039	-.90457
.801	5.186	.00146	.06871	.08112	.12653	.00178	.00086	-.00179	.06205	.06519	.95189
.800	6.511	-.00183	.19633	.08529	.12161	.00145	.00121	-.00037	.10598	.08374	2.22104
.800	19.717	-.00140	.30565	.08774	.12345	.00163	.00146	-.00091	.28950	.11357	2.54983
.801	12.833	-.00169	.40820	.06066	.12341	.00137	.00092	-.00041	.38266	.14936	2.56162
.801	15.027	.00202	.52090	.06312	.12076	.00331	.00053	-.00074	.46072	.19602	2.48304
.800	17.340	.00675	.65312	.06269	.11617	.00665	.00040	-.00432	.60475	.25450	2.37620
.800	19.548	.00745	.78675	.06218	.11144	.00832	.00066	-.00507	.72060	.32184	2.23902
.799	21.693	.00930	.89675	.06279	.11058	.00497	.00131	-.00397	.81003	.38981	2.07801

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.899	-2.688	-.01152	-.41950	.09103	.17059	.00239	.00106	.00431	-.41476	.11060	-3.75006
.899	-.431	-.00186	-.28070	.09209	.15572	.00299	.00067	.00013	-.27999	.09420	-2.97230
.900	1.794	.00480	-.14287	.09068	.14093	.00322	.00046	-.00283	-.14564	.08617	-1.69025
.899	3.995	.00560	-.00715	.08664	.12556	.00223	.00057	-.00334	-.01317	.08594	-.15326
.900	6.348	.00438	.13871	.08365	.11170	.00116	.00126	-.00356	.12861	.09847	1.30604
.900	8.575	.00493	.26461	.08307	.10201	.00043	.00177	-.00442	.24920	.12160	2.04994
.900	10.897	.00212	.40303	.08461	.08287	.00109	.00249	-.00360	.37977	.15928	2.38430
.900	12.871	.00456	.50940	.08540	.07081	.00199	.00195	-.00448	.47738	.19673	2.42762
.900	15.351	.00606	.64661	.08645	.06007	.00167	.00139	-.00459	.54065	.25454	2.35977
.899	17.462	.00812	.75636	.08680	.05740	.00174	.00091	-.00312	.69545	.30976	2.24513
.900	19.853	.02929	.87069	.09077	.07456	-.00031	.00284	-.00164	.78812	.38107	2.06819
.899	22.014	.02250	.91844	.09658	.11050	-.00402	.00143	-.00326	.81528	.43380	1.87941

LA51 TABULATED SOURCE DATA

(RHVD16)

LARC8TPT-684 (LA-51) (B2F1M1) (MIE1SD) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AIRLOW = .000 BDFLAP = -11.700
 SFOBRK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.960	-2.480	-.00616	-.39654	.13927	.10127	.00334	.00162	.00170	-.39012	.15636	-2.49506
.965	-.254	.00099	-.24697	.13680	.15513	.00212	.00170	-.00253	-.24636	.13789	-1.78662
.980	1.338	.00546	-.10767	.13542	.13398	.00244	.00140	-.00482	-.11219	.13170	-.85180
.980	4.174	.00584	.03914	.13230	.11430	.00189	.00198	-.00571	.02941	.13480	.21814
.980	6.396	.00619	.18518	.13039	.09196	.00113	.00248	-.00651	.16948	.13040	1.12666
.980	8.624	.00296	.32682	.13116	.07336	.00115	.00246	-.00458	.30346	.17869	1.69826
.980	10.835	.00370	.47427	.13361	.04798	.00072	.00275	-.00537	.44070	.22038	1.99970
.979	13.046	.00674	.60855	.13497	.03476	.00229	.00343	-.00900	.56238	.26086	2.09172
.980	15.252	.00920	.73819	.13594	.02316	.00205	.00327	-.00933	.67643	.32534	2.07913
.979	17.488	.00680	.87763	.13530	.00622	.00068	.00348	-.00817	.79640	.39278	2.02760
.980	19.693	.00809	1.01357	.13619	-.00042	-.00103	.00263	-.00807	.90840	.46977	1.93372
.980	21.872	.00557	1.13861	.13252	-.01722	-.00280	.00147	-.00522	1.00729	.54716	1.84094

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
1.200	-2.435	-.00903	-.31158	.16207	.14629	.00202	.00158	.00285	-.30441	.17516	-1.73786
1.200	-.229	-.00053	-.16993	.16058	.11609	.00161	.00147	-.00141	-.16929	.16126	-1.04981
1.200	2.026	.00410	-.03020	.15758	.08785	.00220	.00131	-.00361	-.03575	.15641	-.22856
1.200	4.287	.00357	.11209	.15458	.06104	.00124	.00118	-.00320	.10022	.16253	.61663
1.200	6.493	.00399	.24212	.15159	.04067	.00120	.00157	-.00386	.22342	.17799	1.25525
1.200	8.746	.00372	.37526	.14807	.02237	.00099	.00156	-.00572	.34838	.20341	1.71269
1.200	10.985	.00203	.51055	.14529	.00484	.00090	.00170	-.00301	.47351	.23991	1.97368
1.199	13.219	.00156	.65040	.14607	-.01521	.00139	.00197	-.00309	.59976	.29094	2.06148
1.199	15.431	.00371	.77478	.14397	-.02971	.00123	.00175	-.00399	.70854	.34494	2.05411
1.199	17.664	.00443	.89008	.14080	-.03712	.00023	.00141	-.00401	.80539	.40424	1.99237
1.200	19.053	.00896	.99653	.13761	-.04152	.00038	.00181	-.00698	.89057	.46786	1.90350
1.200	22.038	.01035	1.09177	.13507	-.03951	.00028	.00200	-.00804	.96132	.53485	1.79738

LAS1 TABULATED SOURCE DATA

(RHVD19)

LARC0TPT-684 (LA-51) (B2F1M1) (MIE1SD) (V1)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 AIRCRN = .000 SOFLAP = -13.700
 SPDRK = .000

RUN NO. 105/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.347	-2.332	5.02920	-.34745	.05318	.11083	.00687	.00272	-.07227	-.34500	.06727	-5.12553
.348	-.048	5.03571	-.25031	.05519	.10916	-.00064	.00257	-.07646	-.25027	.05640	-4.43703
.348	2.158	5.03155	-.15241	.05660	.11188	-.00193	.00172	-.07410	-.15443	.05082	-3.03913
.348	4.151	5.02112	-.05852	.05274	.11363	-.00305	.00148	-.07215	-.06219	.04836	-1.28562
.349	6.184	5.00577	.03383	.04593	.11410	-.00423	.00106	-.07320	.02869	.04931	.58184
.349	8.333	4.98229	.13873	.03533	.11505	-.00560	.00204	-.07421	.13215	.05507	2.59878
.349	10.356	4.95295	.23380	.02438	.11024	-.00571	.00183	-.07284	.22561	.06601	3.41774
.349	12.304	4.92031	.34206	.01358	.11358	-.00519	.00205	-.07503	.33131	.08616	3.84509
.349	14.409	4.87949	.46503	.01058	.10487	-.00521	.00305	-.07948	.47777	.12597	3.55434
.348	16.408	4.83329	.58172	.00902	.09646	-.00518	.00397	-.08148	.55548	.17298	3.21127
.349	18.506	4.78013	.71008	.00181	.08894	-.00554	.00405	-.08534	.67278	.22711	2.96241
.349	21.890	4.67925	.93933	-.01244	.07158	-.00463	.00561	-.09058	.87624	.33867	2.58730

RUN NO. 104/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.800	-2.482	5.14265	-.39053	.06670	.13841	.00323	.00505	-.08625	-.38728	.08355	-4.63523
.800	-.340	5.14920	-.26674	.06881	.12921	.00196	.00462	-.08679	-.26633	.07039	-3.78378
.801	-.132	5.14951	-.25688	.06892	.12883	.00096	.00450	-.08670	-.25672	.06951	-3.69319
.801	1.858	5.14570	-.15406	.06801	.12537	-.00071	.00400	-.08557	-.15618	.06298	-2.48001
.800	4.148	5.13520	-.02996	.06290	.12182	-.00203	.00327	-.08488	-.03443	.06057	-.55846
.801	6.569	5.11343	.09987	.05556	.11873	-.00425	.00369	-.08446	.09266	.06662	1.39381
.800	8.531	5.08799	.20977	.05320	.11463	-.00416	.00364	-.08314	.19956	.08373	2.38332
.800	10.873	5.05265	.32731	.05003	.11523	-.00361	.00294	-.08226	.31085	.11677	2.66223
.800	13.224	5.01069	.43689	.05095	.11908	-.00489	.00160	-.08185	.41179	.15742	2.61583
.800	15.347	4.97201	.54721	.06093	.11490	-.00318	-.00008	-.08451	.51157	.20358	2.51288
.801	17.938	4.91683	.70992	.05747	.10242	.00101	-.00206	-.08862	.65772	.27332	2.40645
.799	20.052	4.85720	.83541	.05488	.09746	.00062	-.00489	-.08693	.76689	.33834	2.26864
.799	21.870	4.79204	.87683	.05971	.12197	-.01065	-.00909	-.07805	.79140	.38204	2.07176

181

LA5: TABULATED SOURCE DATA
 LARCOPT-604(LA-51) (B2F1M1) (WIE1SD) (V1)

(RHVD19)

PARAMETRIC DATA

BETA = 5.000 ELEVR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPDRK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.895	-2.308	5.17252	-.39651	.08004	.15733	.00637	.00401	-.09076	-.39220	.10530	-3.72538
.900	-.360	5.18234	-.26647	.09074	.14277	.00383	.00495	-.09295	-.26599	.09242	-2.87718
.905	1.946	5.18161	-.12273	.08919	.12662	.00185	.00431	-.09332	-.12560	.08497	-1.47911
.899	4.286	5.16941	.02228	.08515	.11250	.00009	.00400	-.09265	.01585	.08650	.18311
.900	6.570	5.14795	.15417	.08252	.10597	-.00097	.00384	-.09138	.14372	.09962	1.44263
.900	8.768	5.11541	.28151	.08104	.09571	-.00269	.00258	-.08702	.26587	.12300	2.16156
.901	11.035	5.08604	.41904	.08230	.07537	-.00337	.00199	-.08784	.39554	.16099	2.45691
.899	13.365	5.04567	.54179	.08284	.06725	-.00324	-.00160	-.08700	.50757	.20504	2.48784
.900	15.657	5.00302	.66469	.08250	.05902	-.00159	-.00434	-.08831	.61776	.25083	2.36678
.899	17.862	4.94981	.77511	.08246	.05393	-.00302	-.00042	-.08576	.71245	.31623	2.25298
.899	20.086	4.87710	.86362	.08745	.07926	-.00633	-.01491	-.07464	.78106	.37872	2.06235
.899	22.962	4.74051	.91635	.09564	.13310	-.01011	-.02235	-.04454	.80644	.44554	1.81001

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.900	-2.384	5.15073	-.38681	.14052	.16921	.00335	.00847	-.10102	-.38063	.15649	-2.43232
.901	-.218	5.15733	-.24407	.13918	.14710	.00061	.00807	-.10183	-.24354	.14011	-1.73821
.901	2.018	5.15283	-.09586	.13690	.12604	-.00154	.00758	-.10045	-.10062	.13344	-.75405
.901	4.326	5.13662	.05235	.13328	.10666	-.00268	.00697	-.09698	.04215	.13685	.30799
.900	6.586	5.11361	.19484	.13100	.09042	-.00238	.00694	-.09477	.17853	.15248	1.17079
.900	8.753	5.08441	.33579	.13251	.07177	-.00229	.00630	-.09191	.31171	.18206	1.71213
.900	11.055	5.04411	.49068	.13352	.04697	-.00246	.00427	-.08672	.45597	.22513	2.02535
.900	13.277	5.00610	.62668	.13390	.03193	-.00179	.00215	-.08650	.57918	.27424	2.11192
.900	15.578	4.95864	.76627	.13215	.02034	-.00062	-.00078	-.08537	.70263	.33308	2.10949
.900	17.623	4.90704	.88388	.13137	.01081	-.00017	-.00284	-.08340	.80293	.39185	2.04908
.901	20.023	4.84179	1.02998	.13169	-.00276	-.00076	-.00435	-.08435	.92263	.47640	1.93669
.900	22.204	4.76894	1.13546	.12947	-.00092	-.00075	-.00974	-.07658	1.00233	.54897	1.82586

LA31 TABULATED SOURCE DATA

(RHW119)

LARC8TPT-684 (LA-51) (B2F1M1) (W1E1S0) (V1)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 ATLRON = .000 BDFLAP = -11.700
 SFD8RK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
1.200	-2.356	5.17074	-3.3822	.16189	.13931	-.00293	.00929	-.10082	-.29631	.17422	-1.70079
1.200	-.027	5.17205	-1.15403	.16017	.10882	-.00371	.00788	-.09759	-.15400	.16024	-.96196
1.200	2.838	5.16377	-.01403	.15679	.08114	-.00315	.00381	-.03295	-.02014	.15613	-.12699
1.200	4.349	5.14723	.11551	.15382	.05915	-.00288	.00416	-.08818	.10352	.16213	.63846
1.200	6.621	5.12232	.24890	.15105	.04005	-.00258	.00313	-.08420	.22983	.17874	1.28589
1.200	9.194	5.08901	.40414	.14878	.01924	-.00328	.00299	-.06416	.37517	.21144	1.77430
1.199	11.227	5.05468	.52542	.14604	.00425	-.00478	.00156	-.06045	.48693	.24554	1.96311
1.200	13.524	5.01825	.63873	.14435	-.01128	-.00215	.00146	-.08432	.60671	.29440	2.06986
1.200	15.567	4.97501	.77363	.14114	-.02317	-.00197	-.00029	-.08382	.70737	.34350	2.05865
1.200	17.864	4.91321	.89395	.13836	-.03261	-.00216	-.00042	-.08134	.80841	.40591	1.99158
1.200	20.064	4.85368	1.00126	.13661	-.03574	-.00327	-.00048	-.07591	.89346	.47213	1.89240
1.199	22.388	4.78039	1.10341	.13410	-.03429	-.00323	-.00173	-.07312	.96916	.54426	1.70070

(RHW20)

LARC8TPT-684 (LA-51) (B2F1M1C3) (W1E1S0) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 ATLRON = .000 BDFLAP = -11.700
 SFD8RK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.351	-2.070	-.00288	-.16420	.05502	.03199	.00135	-.00110	.00712	-.16210	.06091	-2.66128
.351	-.025	-.00197	-.07483	.05626	.03866	.00163	-.00073	.00483	-.07480	.05629	-1.32884
.351	2.042	-.00151	.01654	.05554	.04742	.00184	-.00068	.00385	.01455	.05609	.25933
.350	4.065	-.00206	.12012	.05134	.05611	.00151	-.00031	.00457	.11616	.05977	1.94358
.351	6.138	-.00232	.22175	.04420	.06505	.00181	-.00086	.00612	.21575	.06765	3.18915
.351	8.174	-.00188	.31383	.03464	.07134	.00210	-.00109	.00511	.30572	.07891	3.87426
.351	10.237	-.00212	.41697	.02297	.07926	.00177	-.00131	.00587	.40625	.09670	4.20095
.350	12.294	-.00243	.53228	.01064	.08623	.00109	.00034	.00468	.51781	.12374	4.18472
.350	14.353	-.00061	.65267	.00735	.08759	.00366	.00247	-.00154	.63048	.16891	3.73255
.350	16.408	.00060	.76157	.00417	.09408	.00376	.00050	-.00184	.72938	.21913	3.32848
.351	18.470	.00111	.88262	-.00535	.10242	.00335	.00037	-.00280	.83885	.27454	3.05544
.351	20.517	.00238	.99453	-.01528	.11025	.00347	.00024	-.00543	.93680	.33426	2.80263

LAS1 TABULATED SOURCE DATA

(RHV020)

LARCOTPT-684 (LA-31) (2F1M1C3) (WIEIS0) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AIRCN = .000 BOFLAP = -11.700
 SPDRK = .000

RUN NO. 44/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.001	-2.313	-.01035	-.21157	.06029	.05352	.00138	.00022	.00940	-.20896	.06878	-3.03789
.003	-.111	-.00268	-.10339	.06169	.05909	.00144	.00014	.00130	-.10327	.06169	-1.66873
.005	2.992	.00112	.00905	.06029	.06771	.00155	-.00008	-.00054	.00684	.06058	.11292
.007	4.329	.00215	.13244	.05742	.07204	.00149	-.00003	.00115	.12773	.06725	1.89924
.009	6.544	.00082	.25645	.05573	.07280	.00251	.00118	-.00180	.24843	.08459	2.93683
.011	8.766	.00054	.37040	.05651	.07732	.00254	.00100	-.00143	.35746	.11230	3.18294
.013	10.979	.00086	.48674	.05751	.08003	.00316	.00134	-.00201	.46688	.14915	3.13022
.015	13.161	.00144	.58926	.06063	.08468	.00308	.00119	-.00217	.55998	.19321	2.89833
.017	15.437	.00516	.74042	.06163	.07040	.00554	-.00008	.00283	.69731	.25649	2.71870
.019	17.694	.00707	.88316	.06320	.06701	.00485	.00128	-.00437	.82218	.32863	2.50181
.021	19.888	.00900	.99701	.06432	.07570	.00288	.00030	-.00557	.91567	.39966	2.29114
.023	22.070	.01228	1.07608	.06702	.10117	.00256	.00119	-.00859	.97204	.46644	2.08398

RUN NO. 43/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.900	-2.394	-.00959	-.23734	.07523	.07493	.00145	.00107	.00337	-.23399	.08508	-2.75007
.902	-.124	.00174	-.10337	.07672	.07003	.00212	.00031	-.00142	-.10320	.07695	-1.34127
.904	2.145	.00430	.02145	.07828	.07167	.00133	.00035	.00246	.01850	.07903	.23415
.906	4.399	.00521	.14829	.07825	.07398	.00174	.00069	-.00330	.14185	.08940	1.58671
.908	6.674	.00388	.27574	.07914	.07525	.00146	.00117	-.00322	.26467	.11065	2.39201
.910	8.922	.00278	.40157	.08061	.07420	.00055	.00132	-.00309	.38421	.14191	2.70733
.912	11.180	.00886	.52505	.08462	.06900	.00276	.00204	-.00666	.49868	.18482	2.69820
.914	13.452	.01805	.66438	.08680	.06459	.00245	.00133	-.00141	.62596	.23897	2.61937
.916	15.728	.01899	.80825	.08817	.05746	.00235	.00040	-.00091	.75409	.30396	2.48091
.918	18.038	.01254	.94324	.09127	.05793	.00096	.00059	-.00699	.86862	.37886	2.29274
.920	20.233	.01318	1.03261	.09621	.08193	.00034	.00149	-.00043	.93562	.44739	2.09126
.922	22.423	.01635	1.10626	.09916	.11107	.00191	.00282	-.01169	.98480	.51363	1.91733

LAS1 TABULATED SOURCE DATA

(RMVD20)

LARC8THT-664 (LA-51) (B2FINIC3) (WIE1SD) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AILRON = .000 BDFLAP = -11.700
 SPDRK = .000

RUN NO. 42/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.980	-2.396	-.01143	-.22561	.12557	.07890	.00166	.00179	.00300	-.22003	.13789	-1.59576
.981	-.062	-.00129	-.07900	.13013	.06688	.00165	.00161	-.00127	-.07886	.13021	-.60561
.980	2.232	.00592	.06143	.13825	.06171	.00164	.00142	-.00420	.05631	.13255	.42481
.980	4.549	.00511	.21083	.12694	.05593	.00132	.00174	-.00426	.19994	.14525	1.37651
.980	6.877	.00723	.35596	.12650	.05165	.00169	.00272	-.00632	.33826	.16821	2.01088
.980	9.190	.00987	.49966	.12659	.04368	.00250	.00326	-.00815	.47300	.20483	2.30920
.980	11.477	.00793	.64128	.13017	.03145	.00130	.00267	-.00662	.60256	.25516	2.36150
.980	13.805	.00926	.79426	.13330	.01407	.00145	.00319	-.00787	.73951	.31897	2.31839
.979	16.121	.01066	.94492	.13507	-.00046	.00047	.00308	-.00842	.87026	.39214	2.21928
.980	18.419	.01302	1.08387	.13328	-.00328	.00014	.00374	-.01034	.98623	.46892	2.10318
.980	20.686	.00983	1.19383	.13013	.01174	-.00111	.00394	-.00915	1.07089	.54346	1.97049
.981	21.298	.01123	1.22214	.12973	.01786	-.00020	.00442	-.01038	1.09155	.56478	1.93272

RUN NO. 41/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
1.199	-2.398	-.01472	-.20743	.14452	.07787	.00123	.00102	.00453	-.20121	.15307	-1.31444
1.200	-.042	-.00583	-.05448	.14471	.05543	.00130	.00103	.00107	-.05438	.14475	-.37568
1.200	2.291	.00177	.09145	.14437	.03611	.00125	.00057	-.00134	.08560	.14791	.57877
1.200	4.654	.00247	.23633	.14402	.01852	.00073	.00074	-.00181	.22387	.16272	1.37581
1.200	6.957	.00082	.37430	.14466	.00648	.00216	.00067	-.00108	.35402	.18894	1.87377
1.200	9.291	.00004	.50399	.14372	.00176	.00063	.00053	-.00061	.47417	.22321	2.12434
1.199	11.632	.00115	.64359	.14266	-.00846	.00015	.00038	-.00089	.60161	.26950	2.23231
1.199	13.987	.00406	.79094	.14440	-.02229	.00037	.00096	-.00271	.73259	.33129	2.21131
1.201	16.319	.00886	.91984	.14408	-.02848	-.00070	.00145	-.00522	.84230	.39674	2.12307
1.200	18.601	.01203	1.03171	.14261	-.02429	-.00030	.00094	-.00598	.93233	.46425	2.00825
1.199	20.912	.01275	1.14986	.13966	-.01764	-.00033	.00089	-.00630	1.02427	.54088	1.89359
1.200	23.214	.00938	1.26797	.13289	-.01251	-.00222	.00031	-.00429	1.11294	.62191	1.78953

LAS1 TABULATED SOURCE DATA

(RHV021)

LARC8TPT-684 (LA-31) (02F1M1C3) (M1E180) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 ATLRON = .000 BDFLAP = -11.700
 SPOBRK = .000

RUN NO. 90/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.349	-2.148	-.00472	-.35011	.08667	.11631	.00218	.00001	.00558	-.34774	.00373	-4.90710
.350	-.090	-.00314	-.26037	.05947	.12189	.00227	.00009	.00628	-.26028	.00988	-4.34702
.350	1.947	-.00204	-.16903	.05978	.13050	.00274	.00015	.00393	-.17176	.00398	-3.16198
.350	4.005	-.00198	-.07605	.05724	.14042	.00241	-.00043	.00455	-.07983	.05179	-1.54189
.349	6.055	-.00266	.02211	.05141	.14988	.00217	-.00070	.00620	.01656	.00346	.30981
.350	8.105	-.00234	.12218	.04290	.15516	.00227	-.00059	.00551	.11491	.00970	1.92491
.350	10.168	-.00270	.22431	.03240	.16471	.00258	-.00023	.00685	.21507	.07149	3.00882
.351	12.203	-.00267	.33167	.02044	.17291	.00262	.00018	.00534	.31985	.09009	3.55043
.350	14.270	-.00153	.45021	.01583	.17337	.00318	.00106	.00130	.43241	.12632	3.42328
.349	16.335	-.00128	.56076	.01105	.18056	.00450	.00121	.00134	.53479	.16909	3.16287
.349	18.383	-.00020	.67692	.00362	.18638	.00664	.00140	-.00118	.64123	.21692	2.95805
.349	20.444	.00144	.79964	-.01076	.19558	.00312	.00067	-.00293	.75304	.26922	2.79712

RUN NO. 49/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.800	-2.580	-.01065	-.40513	.06943	.14596	.00165	.00071	.00501	-.40160	.00759	-4.58473
.800	-.340	-.00346	-.27577	.07118	.14196	.00190	.00041	.00143	-.27534	.07282	-3.78113
.801	1.871	.00032	-.10245	.07087	.14854	.00163	.00022	-.00054	-.16467	.06552	-2.51318
.801	4.097	.00242	-.04239	.06796	.15536	.00188	.00031	-.00168	-.04714	.06476	-.72786
.800	6.330	.00045	.08005	.06380	.15773	.00119	.00074	-.00110	.07253	.07224	1.00403
.800	8.550	-.00180	.20590	.06199	.15983	.00113	.00103	-.00013	.19439	.09192	2.11484
.801	10.775	-.00175	.32012	.06390	.16699	.00201	.00132	-.00054	.30253	.12262	2.46717
.801	12.948	-.00122	.42001	.06574	.17664	.00172	.00144	-.00096	.39460	.15818	2.49461
.800	15.190	.00294	.53686	.06643	.17848	.00383	-.00004	-.00161	.50050	.20472	2.44482
.801	17.389	.00510	.65310	.06847	.18984	.00423	.00027	-.00323	.60279	.26053	2.31373
.800	19.622	.00767	.77668	.06837	.19200	.00429	.00080	-.00536	.71043	.32608	2.17672
.801	21.825	.00881	.88693	.06888	.20424	.00329	.00126	-.00662	.79776	.39365	2.02654

LA51 FABULATED SOURCE DATA

LARC9TPT-684 (LA-51) (82F1M1C3) (W1E190) (V1)

(RMV021)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 ALURXN = .000 B0CLAP = -11.700
 SP0CRK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.900	-2.640	-.01427	-.42123	.09258	.17275	.00250	.00126	.00539	-.41692	.11188	-3.72288
.899	-.380	-.00335	-.28127	.09333	.16477	.00319	.00076	.00074	-.28064	.09519	-2.94819
.899	1.892	.00159	-.13943	.09329	.15716	.00287	.00042	-.00124	-.14244	.08864	-1.60693
.900	4.201	.00262	.01034	.09205	.14933	.00292	.00060	-.00194	.00357	.09256	.03860
.900	6.507	.00251	.15762	.09038	.14282	.00124	.00109	-.00246	.14636	.10766	1.35948
.899	8.766	.00187	.28461	.08953	.14128	.00035	.00124	-.00232	.26764	.13185	2.02982
.900	11.022	.00507	.41697	.09085	.13502	.00104	.00156	-.00426	.39191	.16889	2.32045
.899	13.278	.01487	.53946	.09163	.13956	.00203	.00092	-.00838	.50399	.21309	2.36520
.900	15.583	.01569	.66938	.09277	.14250	.00193	.00056	-.00843	.61985	.26918	2.30278
.900	17.819	.00900	.78980	.09415	.14990	.00115	.00134	-.00606	.72309	.33133	2.18241
.900	20.051	.01162	.88242	.09851	.17312	-.00010	.00206	-.00827	.79516	.39508	2.01264
.900	22.222	.01174	.95531	.10204	.20580	.00094	.00318	-.00971	.84577	.45576	1.85574

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.980	-2.480	-.00893	-.39299	.14150	.18345	.00328	.00163	.00340	-.38650	.15837	-2.44053
.981	-.245	-.00104	-.24291	.14043	.16750	.00308	.00154	-.00116	-.24231	.14147	-1.71283
.981	1.987	.00580	-.09922	.13973	.15805	.00254	.00136	-.00497	-.10400	.13621	-.76354
.980	4.252	.00440	.04658	.13792	.14876	.00171	.00182	-.00468	.03622	.14100	.25692
.980	6.470	.00402	.19492	.13665	.13826	.00136	.00249	-.00523	.17828	.15774	1.13021
.980	8.715	.00441	.34226	.13650	.12631	.00029	.00238	-.00534	.31763	.18678	1.70056
.980	10.928	.00415	.49127	.13776	.11000	.00066	.00240	-.00524	.45624	.22839	1.99764
.980	13.163	.00586	.63182	.14125	.09954	.00136	.00350	-.00755	.58306	.28141	2.07188
.980	15.386	.00712	.77125	.13906	.08973	.00092	.00335	-.00818	.70671	.33870	2.08652
.979	17.616	.00920	.91144	.13505	.08451	.00069	.00396	-.01021	.82783	.40455	2.04631
.979	19.828	.00959	1.02999	.13090	.08037	.00097	.00445	-.01110	.92452	.47251	1.95661
.979	21.987	.01137	1.11714	.12841	.11135	.00001	.00377	-.01154	.98781	.53733	1.83836

LA31 TABULATED SOURCE DATA

LARC8PT7-684 (LA-51) (B2F1M1C3) (WIE1SD) (V1)

(RHV021)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SFDRBK = .000

RUN NO. 46/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
1.199	-2.437	-.01188	-.31121	.16417	.14398	.00192	.00170	.00416	-.30395	.1725	-1.71478
1.200	-.169	-.00167	-.16933	.16316	.12315	.00153	.00151	-.00007	-.16805	.18366	-1.03171
1.200	2.063	.00302	-.02863	.16148	.10338	.00195	.00112	-.00284	-.03243	.18042	-.20214
1.200	4.314	.00301	.11438	.15902	.08830	.00103	.00098	-.00267	.10209	.16717	.61069
1.200	6.565	.00273	.25437	.15699	.07491	.00139	.00136	-.00296	.23478	.18475	1.27084
1.200	8.819	.00232	.38771	.15408	.06395	.00124	.00112	-.00249	.35950	.21170	1.69815
1.200	11.080	.00099	.52390	.15095	.05484	.00128	.00134	-.00205	.48312	.24882	1.94971
1.199	13.304	.00098	.65882	.14881	.04302	.00138	.00174	-.00136	.60690	.29642	2.04738
1.199	15.549	.00475	.78502	.14682	.03694	.00105	.00139	-.00414	.71693	.35108	2.03743
1.200	17.788	.00804	.90540	.14408	.03433	.00082	.00160	-.00617	.81611	.41379	1.97712
1.200	19.967	.00735	1.01048	.13966	.04101	-.00075	.00099	-.00516	.90205	.47632	1.89360
1.199	22.215	.01093	1.12591	.13369	.04670	.00048	.00157	-.00788	.99179	.54945	1.80508

LARC8PT7-684 (LA-51) (B2F1M1C3) (WIE1SD) (V1)

(RHV022)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SFDRBK = .000

RUN NO. 110/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.350	-2.132	5.02542	-.34543	.05296	.11312	.00170	.00371	-.06293	-.34322	.06577	-5.21810
.351	-.086	5.02924	-.25130	.05576	.12111	.00035	.00314	-.06298	-.25121	.05614	-4.47505
.350	1.981	5.02642	-.15622	.05649	.13182	.00107	.00286	-.06303	-.15808	.05105	-3.09649
.350	4.040	5.01772	-.05790	.05407	.14182	.00279	.00232	-.06420	-.06157	.04985	-1.23500
.350	6.094	5.00042	.03430	.04801	.14895	.00458	.00291	-.06174	.02900	.05219	.55565
.351	8.135	4.97761	.13781	.03984	.15799	.00680	.00325	-.06101	.13077	.05898	2.21700
.351	10.215	4.94811	.23960	.02935	.16707	.00824	.00361	-.05989	.23060	.07138	3.23074
.351	12.276	4.91282	.34599	.01748	.17405	.00907	.00400	-.05903	.33436	.09064	3.68875
.351	14.345	4.87017	.47119	.01242	.17466	.00944	.00483	-.05049	.45343	.12877	3.52111
.350	16.394	4.82459	.57660	.00973	.17946	.00753	.00688	-.06498	.55233	.17264	3.19927
.350	18.453	4.77030	.67991	.00176	.19050	-.00657	.00662	-.06373	.64440	.21600	2.97126
.349	20.521	4.71066	.80028	-.01301	.19965	-.00040	.00654	-.06345	.76155	.27116	2.80048

LA51 TABULATED SOURCE DATA

(RHW022)

LARC0TPT-684 (LA-51) (B2F1M1C3) (WE150) (V1)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 AIRCON = .000 BDCLAP = -11.700
 SPUBRK = .000

RUN NO. 109/ 5

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.799	-2.578	5.14137	-.40058	.06715	.14050	.00506	.00444	-.08523	-.39715	.08510	-4.66713
.800	-.314	5.14606	-.27056	.06943	.14005	.00223	.00409	-.08453	-.27018	.07091	-3.80987
.800	1.909	5.14267	-.14981	.06964	.14569	-.00078	.00333	-.08531	-.15205	.06461	-2.35323
.800	4.128	5.12649	-.03134	.06667	.15108	-.00284	.00310	-.07987	-.03606	.06424	-.56130
.801	6.368	5.10568	.09349	.06226	.15535	-.00602	.00390	-.07937	.08601	.07224	1.19050
.800	9.622	5.07421	.22233	.05980	.15883	-.00681	.00433	-.07709	.21085	.09246	2.28057
.800	10.634	5.05945	.33111	.06144	.16448	-.00628	.00394	-.07576	.31366	.12259	2.55869
.801	13.052	5.00086	.44190	.06216	.17158	-.00601	.00308	-.07599	.41645	.16035	2.59707
.801	15.257	4.95567	.53229	.06213	.17847	-.00453	.00142	-.07574	.51647	.20528	2.51600
.799	17.496	4.90396	.67268	.06339	.18494	-.00487	.00022	-.07717	.62250	.26270	2.36965
.800	19.721	4.85151	.78729	.06381	.19354	-.00499	-.00114	-.08193	.71958	.32573	2.20913
.800	21.945	4.78928	.90002	.06367	.20466	-.00561	-.00468	-.08288	.81101	.39541	2.05106

RUN NO. 108/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.900	-2.667	5.18254	-.41696	.08996	.16031	.00713	.00339	-.09400	-.41232	.10926	-3.77375
.901	-.335	5.18843	-.26484	.09219	.15209	.00382	.00348	-.09420	-.26430	.09374	-2.81955
.900	1.948	5.17580	-.11960	.09190	.14672	.00028	.00431	-.09056	-.12265	.08778	-1.39722
.900	4.242	5.16139	.02270	.09056	.14022	-.00181	.00448	-.08922	.01593	.09199	.17323
.900	6.559	5.13611	.16274	.08906	.13925	-.00359	.00434	-.08627	.15150	.10706	1.41506
.901	8.835	5.10524	.30250	.08791	.13531	-.00425	.00303	-.08291	.28541	.13331	2.14094
.899	11.123	5.06902	.43201	.08806	.13287	-.00608	.00032	-.07973	.40691	.16975	2.39710
.900	13.385	5.03099	.55734	.08831	.13641	-.00543	-.00270	-.07871	.52176	.21493	2.42753
.899	15.630	4.98759	.67452	.08887	.14178	-.00469	-.00468	-.08004	.62563	.26731	2.34046
.900	17.894	4.94141	.79224	.09042	.15184	-.00469	-.00775	-.08281	.72613	.32947	2.20393
.900	20.122	4.88047	.88238	.09271	.17686	-.00413	-.01089	-.08137	.79662	.39061	2.03945
.899	22.310	4.80564	.94871	.09507	.21395	-.00450	-.01456	-.07567	.84161	.44810	1.87818

189

LA51 TABULATED SOURCE DATA

(RHO22)

LARC8TPT-684(LA-51) (B2F1M1C3) (WIE1S0) (V1)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 AIRFOIL = .000 BDCLAP = -11.700
 SPDRK = .000

RUN NO. 107/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.980	-2.492	5.16006	-39407	.14375	.17344	.00345	.00619	-.10414	-.38744	.16075	-2.41017
.980	-2.33	5.16124	-24294	.14191	.15990	.00024	.00614	-.10197	-.24236	.14289	-1.69612
.981	2.017	5.15624	-.09396	.14113	.15123	.00343	.00561	-.10021	-.09887	.13774	-.71782
.981	4.265	5.14007	.05347	.13997	.14305	.00578	.00576	-.09737	.04291	.14356	.29893
.980	6.502	5.11529	.20032	.13892	.13519	.00623	.00610	-.09426	.18330	.16071	1.14056
.980	8.742	5.08343	.34458	.13830	.12558	.00570	.00600	-.09103	.31956	.18907	1.69019
.980	11.018	5.03987	.50286	.13811	.10813	.00767	.00405	-.08356	.46719	.23167	2.01661
.980	13.242	4.99742	.64197	.14022	.10048	.00703	.00280	-.08163	.59278	.28355	2.09057
.979	15.476	4.95161	.78087	.13793	.09443	.00722	.00316	-.08441	.71576	.34129	2.09720
.980	17.709	4.89453	.91684	.13381	.09061	.01017	.00107	-.08056	.83270	.40635	2.04920
.980	19.899	4.83668	1.02601	.12881	.10048	.00936	-.00486	-.07816	.92091	.47034	1.95797
.979	22.109	4.77398	1.13602	.12414	.10911	.01126	-.00845	-.07920	1.00576	.54258	1.85368

RUN NO. 106/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
1.200	-2.436	5.17971	-30678	.16491	.13764	-.00322	.00704	-.10304	-.29949	.17780	-1.68446
1.200	-1.62	5.17823	-16258	.16438	.11847	-.00478	.00572	-.09837	-.16211	.16484	-.98346
1.200	2.087	5.16890	-.02129	.16273	.10099	.00531	.00430	-.09360	-.02720	.16185	-.16805
1.200	4.359	5.14934	.12025	.15942	.08476	.00583	.00309	-.08805	.10778	.16809	.64120
1.200	6.622	5.12310	.26037	.15720	.07227	.00544	.00256	-.08391	.24051	.18618	1.29184
1.200	8.878	5.09074	.39492	.15472	.06327	.00510	.00236	-.08103	.36631	.21381	1.71326
1.199	11.131	5.05389	.52730	.15176	.05518	.00601	.00186	-.07950	.48809	.25069	1.94693
1.200	13.363	5.01239	.65268	.14842	.04964	.00565	.00155	-.07842	.60070	.29525	2.03454
1.200	15.617	4.96255	.77748	.14521	.04714	.00631	-.00164	-.07742	.70969	.34915	2.03261
1.200	17.849	4.90024	.90062	.14076	.04499	.00837	-.00498	-.06983	.81413	.41003	1.98554
1.199	20.089	4.83480	1.01674	.13511	.04600	.00869	-.00887	-.06523	.90848	.47612	1.90808
1.199	22.306	4.76580	1.12692	.13192	.05372	.00962	-.01052	-.06485	.99252	.54977	1.80533

LARS1 TABULATED SOURCE DATA

LARC8TPT-684 (LA-51) (02F1M1) (WIE132) (V1) (RHV023)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AIRCRN = .000 BOFLAP = -11.700
 SPEEDX = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.349	-2.046	-.00282	-.15501	.05460	.02946	.00256	.00020	.00534	-.15296	.06010	-2.54493
.350	-.012	-.00150	-.06627	.05598	.03228	.00317	.00001	.00305	-.03626	.05599	-1.18341
.345	1.960	.00117	.01929	.05473	.03608	.00308	.00013	-.00354	.01741	.05536	.31442
.350	4.028	-.00034	.11723	.04983	.03990	.00259	.00050	.00013	.11544	.05794	1.93004
.350	8.087	-.00028	.21581	.04325	.04232	.00268	.00030	.00050	.21000	.06389	3.18721
.349	8.017	-.00074	.31577	.03321	.04786	.00374	-.00022	.00170	.30777	.07890	3.90073
.350	10.226	-.00124	.43234	.02565	.03371	.00349	.00085	.00160	.42112	.10203	4.12744
.350	12.143	.00016	.55086	.02201	.05404	.00269	.00035	-.00410	.53391	.13739	3.88611
.350	14.241	.00012	.67151	.01535	.05389	.00579	.00290	-.00358	.64611	.18395	3.51247
.345	16.296	.00104	.78461	.01628	.05792	.00883	.00189	-.00438	.74852	.23579	3.17447
.345	18.317	.00254	.91147	.01706	.05522	.01101	.00102	-.00664	.85993	.30264	2.84138
.349	20.512	.00057	1.05294	.01706	.05027	.00561	-.00118	.00011	.98021	.38493	2.54645

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.800	-2.536	-.00658	-.20647	.05915	.04977	.00274	.00055	.00296	-.20389	.06752	-3.01969
.800	-.108	-.00067	-.09698	.06030	.05118	.00295	.00059	-.00031	-.09687	.06048	-1.60163
.801	2.061	.00694	.01151	.05869	.05364	.00324	.00038	-.00423	.00939	.05906	.15896
.800	4.190	.00703	.12770	.05450	.05296	.00311	.00050	-.00443	.12337	.06369	1.93720
.801	6.593	.00645	.26294	.05199	.05084	.00348	.00129	-.00502	.25524	.08183	3.11906
.800	8.781	.00520	.38332	.05328	.05139	.00355	.00150	-.00459	.37069	.11117	3.33446
.799	11.359	.00559	.53806	.05460	.05140	.00578	.00197	-.00537	.51677	.15950	3.23987
.801	13.457	.00794	.64740	.05655	.05844	.00510	.00151	-.00618	.61646	.20566	2.99744
.800	15.432	.00668	.75536	.05967	.05898	.00406	.00058	-.00445	.71225	.25851	2.75522
.800	17.667	.00795	.90834	.06303	.04879	.00498	.00024	-.00482	.84638	.33572	2.52106
.799	19.760	.01025	1.03838	.06430	.04897	.00482	.00001	-.00597	.95550	.41137	2.32101
.800	21.973	.00878	1.08414	.06822	.05366	.00228	-.00087	-.00418	.97986	.46892	2.08957

LA51 TABULATED SOURCE DATA

(RHW023)

LARC0PT-084(LA-51) (B2F1H1) (WIE1S2) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 ATLON = .000 BDFLAP = -11.700
 SPDBRK = .000

RUN NO. 63/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.900	-2.484	-.00540	-.23244	.07431	.06735	.00270	.00149	.00089	-.22900	.00431	-2.71614
.900	-1.182	.00363	-.09959	.07602	.05769	.00320	.00094	-.00202	-.009335	.07634	-1.30143
.899	2.187	.00750	.03292	.07577	.05469	.00256	.00050	.00427	.03000	.07697	.30984
.900	4.266	.00803	.14496	.07474	.05293	.00204	.00053	-.00446	.13900	.00532	1.62820
.899	6.555	.00932	.27665	.07408	.05140	.00292	.00158	-.00631	.26630	.10518	2.53265
.900	9.167	.01013	.43146	.07786	.04818	.00268	.00256	-.00764	.41355	.14560	2.84024
.900	11.215	.00870	.56054	.08021	.03888	.00422	.00342	-.00815	.53423	.18770	2.84621
.900	13.373	.01156	.68686	.08351	.02895	.00302	.00330	-.00946	.64092	.24011	2.70261
.900	15.633	.01863	.82203	.08802	.02233	.00429	.00424	-.01412	.76790	.30629	2.50713
.899	17.837	.01229	.95387	.09062	.01832	.00237	.00237	-.00890	.88026	.37845	2.32593
.899	20.142	.01380	1.05712	.09677	.04190	.00216	.00227	-.00364	.95915	.45486	2.10865
.899	22.560	.00805	1.10018	.10286	.09663	.00204	.00143	-.00591	.97653	.51708	1.88856

RUN NO. 62/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.980	-2.295	-.00428	-.21187	.12631	.06855	.00311	.00150	.00080	-.20665	.13469	-1.53419
.980	-.046	.00266	-.07187	.12696	.05255	.00313	.00136	-.00313	-.07176	.12702	-.56497
.980	2.084	.00591	.06200	.12680	.03883	.00314	.00124	-.00490	.05735	.12897	.44466
.980	4.256	.00704	.19386	.12496	.02942	.00233	.00157	-.00595	.18406	.13900	1.32411
.980	6.454	.00795	.32881	.12304	.02150	.00220	.00287	-.00799	.31289	.15921	1.96525
.980	8.817	.00847	.47611	.12493	.00852	.00341	.00384	-.00945	.45133	.19643	2.29765
.980	11.408	.00655	.64738	.13061	-.00711	.00257	.00297	-.00734	.60875	.25608	2.37720
.980	13.008	.00727	.75555	.13373	-.01841	.00273	.00304	-.00787	.70606	.30036	2.35074
.979	15.529	.00735	.92472	.13733	-.03820	.00022	.00237	-.00721	.85419	.37990	2.24847
.979	17.649	.01060	1.06270	.14048	-.04935	.00004	.00329	-.01038	.97009	.45606	2.12710
.979	19.887	.01317	1.19316	.14257	-.05094	-.00035	.00329	-.01203	1.07351	.53993	1.98824
.977	22.092	.01370	1.30509	.13746	-.03911	.00065	.00370	-.01297	1.15757	.61821	1.87246

LAS1 TABULATED SOURCE DATA

(RNV023)

LARC01PT-684(LA-51) (B2F1M1) (W1E1S2) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AILRON = .000 EDFLAP = -11.700
 SPDBRK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
1.200	-2.270	-.00531	-.19023	.14579	.07159	.00222	.00140	.00176	-.18430	.15321	-1.20294
1.200	.049	.00162	-.04367	.14509	.04456	.00248	.00104	-.00151	-.04379	.14505	-.30189
1.200	2.285	.00452	.09336	.14302	.02236	.00222	.00058	-.00299	.08758	.14663	.59727
1.200	4.641	.00481	.24043	.14172	-.00008	.00103	.00059	-.00316	.22818	.16071	1.41979
1.200	6.733	.00540	.36193	.14224	-.01340	.00366	.00105	-.00400	.34274	.15372	1.86553
1.200	8.962	.00435	.49702	.14348	-.02658	.00345	.00108	-.00350	.46861	.21915	2.13329
1.200	10.841	.00374	.61178	.14289	-.03610	.00247	.00097	-.00307	.57399	.23541	2.24737
1.199	13.221	.00423	.75610	.14517	-.04917	.00098	.00065	-.00298	.70285	.31425	2.23660
1.198	15.679	.00569	.89533	.14656	-.05593	.00172	.00081	-.00397	.82240	.38309	2.14684
1.198	17.976	.00801	1.01337	.14719	-.05610	.00199	.00075	-.00520	.91848	.45275	2.02866
1.199	20.389	.01162	1.13194	.14683	-.05121	.00160	.00064	-.00713	1.00967	.53199	1.99830
1.198	22.141	.01389	1.21626	.14445	-.04178	.00206	.00119	-.00909	1.07213	.59220	1.81042

(RNV024)

LARC01PT-684(LA-51) (B2F1M1) (W1E1S2) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AILRON = .000 EDFLAP = -11.700
 SPDBRK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.348	-2.127	-.00246	-.35978	.05591	.12225	.00129	-.00033	.00543	-.35746	.06923	-5.16348
.349	-.114	-.00168	-.27207	.05914	.12409	.00118	-.00086	.00442	-.27195	.05968	-4.55646
.349	1.971	.00046	-.18105	.05897	.12879	.00145	-.00074	-.00010	-.18297	.05271	-3.47136
.350	4.150	.00047	-.08189	.05541	.13137	.00126	-.00123	.00044	-.08569	.04934	-1.73668
.350	6.588	.00012	.03355	.04769	.13869	.00120	-.00140	.00136	.02786	.05122	.54393
.350	8.126	-.00082	.11040	.04235	.14343	.00147	-.00142	.00332	.10330	.05753	1.79553
.350	10.086	-.00110	.20900	.03479	.14997	.00195	-.00104	.00347	.19967	.07086	2.81801
.350	12.309	.00018	.33458	.02636	.15548	.00162	-.00049	.00119	.32127	.09708	3.30931
.350	14.235	.00028	.45260	.02368	.15296	.00180	.00068	-.00138	.43287	.13425	3.22435
.350	16.333	.00058	.57201	.01961	.15387	.00280	-.00030	-.00090	.54342	.17968	3.02442
.349	18.353	.00130	.69509	.01540	.15746	.00301	.00026	-.00458	.65481	.23345	2.80490
.349	20.490	.00345	.80405	.01409	.15281	.00428	-.00182	-.00130	.77916	.30620	2.54459

LA51 TABULATED SOURCE DATA

PAGE 59

LARC8TPT-684(LA-51) (B2F1M1) (WIE182) (V1)

(RHW124)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPDRK = .000

RUN NO. 69/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.801	-2.634	-.01052	-.40553	.06854	.14376	.00152	.00023	.00348	-.40195	.08711	-4.61452
.802	-.329	-.00164	-.27742	.07053	.13801	.00124	.00010	.00077	-.27701	.07213	-3.84070
.801	2.009	.00256	-.15765	.06909	.13877	.00104	-.00031	-.00105	-.15998	.06352	-2.51871
.801	3.987	.00296	-.05469	.06546	.13961	.00103	-.00026	-.00132	-.05911	.06150	-.96105
.800	6.449	.00136	.08409	.05980	.14062	-.00016	.00018	-.00095	.07684	.06886	1.11581
.802	8.477	.00015	.19813	.05965	.14095	.00066	.00060	-.00077	.18717	.08820	2.12202
.803	10.635	-.00132	.31451	.06106	.14840	.00118	.00064	.00000	.29784	.11806	2.52285
.801	12.910	.00257	.43663	.06122	.16032	.00345	.00089	-.00246	.41192	.15722	2.62007
.801	15.252	.00220	.54600	.06485	.17199	.00181	-.00037	-.00082	.50971	.20620	2.47198
.802	17.609	.00446	.68154	.06861	.17291	.00162	-.00090	-.00153	.62885	.27158	2.31556
.800	19.489	.00452	.80668	.06786	.17041	.00234	-.00113	-.00133	.73782	.33310	2.21504
.800	22.184	.00564	.92105	.07091	.19614	.00197	-.00051	-.00274	.82609	.41344	1.99810

RUN NO. 68/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.900	-2.594	-.01065	-.41374	.09248	.16555	.00122	.00066	.00435	-.40913	.11111	-3.68224
.901	-.462	.00055	-.28010	.09364	.15438	.00204	.00001	-.00027	-.27933	.09590	-2.91272
.900	2.041	.00488	-.12593	.09169	.14245	.00154	-.00045	-.00182	-.12911	.08714	-1.48158
.900	4.203	.00645	.00670	.08918	.13346	.00128	-.00005	-.00304	.00014	.08943	.00158
.900	6.566	.00592	.15275	.08585	.12677	.00065	.00073	-.00369	.14193	.10275	1.36124
.900	8.568	.00507	.27228	.08658	.12267	.00053	.00130	-.00394	.25634	.12617	2.03164
.900	11.089	.00378	.42813	.08831	.11445	.00177	.00106	-.00398	.40315	.16901	2.38537
.900	13.570	.00406	.55876	.09019	.11535	.00053	.00187	-.00453	.52201	.21877	2.38605
.900	15.496	.00785	.66310	.09080	.11681	.00096	.00178	-.00594	.61474	.26465	2.32279
.899	18.049	.00597	.81687	.09148	.11429	.00039	.00089	-.00404	.74833	.34007	2.20053
.899	20.091	.01314	.91693	.09611	.13397	.00122	.00245	-.00950	.82812	.40524	2.04354
.900	22.161	.00432	.96266	.10435	.17609	.00036	.00091	-.00328	.85219	.45976	1.85355

LA51 TABULATED SOURCE DATA

(RHV024)

LARC8TPT-664 (LA-51) (B2F1M1) (M1E1S2) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 ATLRON = .000 BDFLAP = -11.700
 SPDBRK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.979	-2.455	-.00753	-.40199	.13980	.18246	.00226	.00090	.00341	-.39563	.15889	-2.92167
.979	-.220	.00240	-.25382	.13697	.16011	.00216	.00106	-.00262	-.25329	.13795	-1.83611
.985	1.907	.00624	-.11349	.13685	.14283	.00179	.00090	-.00470	-.11798	.13299	-.88714
.981	4.229	.00734	.03438	.13478	.12731	.00141	.00110	-.00559	.02435	.13695	.17778
.980	8.534	.00650	.18927	.13331	.11291	.00105	.00218	-.00634	.17287	.13390	1.12263
.980	8.510	.00602	.32085	.13376	.09877	.00091	.00236	-.00629	.29762	.17979	1.65540
.979	10.923	.00581	.49059	.13660	.07839	.00011	.00234	-.00617	.45582	.22709	2.00723
.979	13.028	.00821	.82377	.13876	.06985	.00065	.00313	-.00855	.57644	.27580	2.09507
.978	15.444	.01164	.77794	.13729	.05993	.00128	.00378	-.01145	.71329	.33950	2.10103
.977	17.626	.01199	.92482	.13501	.04704	.00046	.00340	-.01132	.94052	.40871	2.05654
.982	19.676	.01304	1.04743	.13859	.04451	-.00079	.00346	-.01210	.93961	.48317	1.94469
.979	22.456	.01305	1.19125	.13205	.05615	-.00018	.00259	-.01127	1.05048	.57707	1.82037

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
1.200	-2.497	-.00714	-.31773	.16319	.14591	.00143	.00121	.00229	-.31023	.17687	-1.73433
1.200	-.197	-.00333	-.17066	.16406	.11921	.00098	.00083	-.00089	-.17009	.16454	-1.03309
1.201	2.973	.00472	-.15311	.16288	.09711	.00125	.00064	-.00316	-.13691	.15965	-.23121
1.202	4.253	.00286	.09951	.15844	.07779	.00122	.00077	-.00236	.08748	.16339	.52896
1.201	8.543	.00460	.24997	.15594	.05948	.00131	.00082	-.00332	.22163	.18238	1.21520
1.202	8.283	.00412	.55226	.15437	.04197	.00060	.00073	-.00298	.35372	.21310	1.70682
1.200	10.975	.00315	.82034	.15220	.02971	.00090	.00086	-.00264	.48185	.24848	1.93922
1.200	13.357	.00230	.85013	.14955	.01777	.00011	.00087	-.00222	.51743	.30031	2.05596
1.199	15.125	.00637	.82425	.14713	.01121	.00153	.00105	-.00462	.75096	.30025	2.02920
1.200	16.753	.00622	.91165	.14479	.00882	.00157	.00108	-.00568	.82439	.41357	1.98185
1.200	20.377	.00652	1.02528	.14282	.00602	.00035	.00088	-.00495	.91429	.46516	1.89451
1.199	22.173	.00630	1.11966	.13989	.00330	.00160	.00150	-.00911	.98493	.55052	1.78959

195

LAS1 TABULATED SOURCE DATA

PAGE 61

LARCOTPT-604 (LA-51) (B2F1H1) (WIE192) (V1)

(RHV025)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPDPRK = .000

RUN NO. 115/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.350	-2.153	5.02997	-.34625	.03292	.11062	.00268	.00202	-.07154	-.34402	.06989	-5.22092
.350	-.092	5.03508	-.25913	.03608	.11296	.00139	.00230	-.07412	-.25904	.05648	-4.58643
.350	1.983	5.03148	-.16618	.03637	.11865	.00030	.00173	-.07223	-.16802	.05085	-3.30444
.350	4.028	5.02238	-.07059	.03351	.12341	-.00107	.00119	-.07221	-.07418	.04841	-1.53208
.350	6.076	5.00581	.03083	.04729	.12829	-.00316	.00126	-.07065	.02566	.05029	.51020
.350	8.144	4.98380	.12853	.03997	.13497	-.00513	.00193	-.07141	.12157	.05777	2.10429
.350	10.227	4.95402	.23812	.03178	.14226	-.00574	.00173	-.07034	.22869	.07355	3.10914
.350	12.250	4.91992	.35070	.02370	.14561	-.00608	.00221	-.07162	.33769	.09757	3.46114
.350	14.338	4.87871	.47779	.02170	.14348	-.00736	.00434	-.07580	.45754	.13934	3.28359
.350	16.396	4.83094	.60418	.01581	.14442	-.00873	.00490	-.07635	.57515	.18571	3.09709
.349	18.450	4.77911	.72408	.00925	.14700	-.00893	.00425	-.08009	.68394	.23793	2.87458
.349	20.536	4.71902	.87116	.00574	.14220	-.00781	.00363	-.08480	.81379	.31097	2.61689

RUN NO. 114/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.801	-2.590	5.14250	-.39896	.06523	.13665	.00538	.00485	-.08616	-.39560	.08319	-4.75517
.800	-.339	5.14942	-.26779	.06814	.13094	.00255	.00451	-.08692	-.26738	.06973	-3.83482
.800	1.872	5.14865	-.15604	.06783	.13185	.00051	.00377	-.08701	-.15817	.06270	-2.52283
.800	4.073	5.13593	-.03875	.06366	.13394	-.00134	.00318	-.08502	-.04318	.06074	-.71078
.800	6.332	5.11478	.08578	.05798	.13570	-.00485	.00375	-.08400	.07886	.06709	1.17541
.800	8.597	5.08444	.21472	.05692	.13890	-.00485	.00395	-.08205	.20380	.08838	2.30599
.800	10.796	5.05176	.33246	.05931	.14533	-.00432	.00410	-.08241	.31546	.12053	2.61730
.800	13.032	5.01571	.45345	.05899	.15370	-.00492	.00420	-.08547	.42847	.15972	2.68259
.800	15.238	4.96786	.55426	.06139	.16920	-.00578	.00218	-.08337	.51864	.20491	2.53101
.799	17.506	4.91702	.68722	.06177	.16874	-.00703	.00225	-.08709	.63682	.26563	2.39741
.800	19.770	4.86426	.83512	.06179	.16806	-.00743	.00362	-.09562	.76499	.34062	2.24589
.799	22.024	4.80573	.97295	.06196	.16639	-.00785	.00362	-.10599	.87872	.42229	2.08086

LAS1 TABULATED SOURCE DATA

(RHV025)

LARC8TFT-884 (LA-51) (B2F1M1) (M1E1S2) (V1)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 AIRLON = .000 BOFLAP = -11.700
 SPOBRK = .000

RUN NO. 1137 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	C..	CD	L/D
.801	2.1830	3.17319	-1.40700	.08740	.15366	.00728	.00526	-.09149	-.40251	.10817	-3.70133
.900	2.352	3.16344	-.26083	.09073	.14143	.00419	.00511	-.09308	-.25009	.09234	-2.81671
.900	1.518	3.17812	-.11153	.09009	.13148	.00130	.00403	-.09200	-.12245	.08604	-1.42312
.999	5.214	3.15007	.01839	.08945	.12351	-.00091	.00419	-.09190	.01209	.08762	1.4817
.900	5.674	3.14611	.15163	.08352	.12180	-.00286	.00369	-.08965	.04127	.10008	1.41193
.900	8.788	3.11392	.29717	.08291	.11556	-.00300	.00351	-.08755	.20100	.12738	2.00011
.895	11.571	3.07941	.43264	.08387	.10781	-.00435	.00181	-.08615	.48240	.16539	2.46985
.900	13.340	3.03626	.56086	.08331	.10843	-.00680	-.00015	-.08370	.58602	.21248	2.47559
.900	15.621	2.99279	.69864	.08742	.10873	-.00819	-.00054	-.08707	.65920	.26967	2.37271
.906	17.875	2.94541	.82900	.08754	.11692	-.00919	-.00072	-.08257	.74358	.33103	2.24072
.905	20.667	2.89532	.91752	.09101	.14020	-.00971	-.00080	-.10736	.83002	.40146	2.06755
.900	23.022	2.81649	.97157	.09768	.18451	-.00952	-.00072	-.09436	.90107	.45936	1.87580

RUN NO. 1137 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.800	2.1491	3.14717	-.13096	.13970	.16702	.00301	.00824	-.09884	-.32242	.15851	-2.44560
.901	2.267	3.13425	-.24023	.13592	.14747	.00331	.00801	-.09990	-.24250	.14003	-2.07330
.901	1.980	3.15128	-.09355	.13705	.13106	-.00183	.00749	-.09959	-.00835	.15372	-1.73140
.901	4.210	3.13685	.04896	.13414	.11695	-.00582	.00654	-.09314	.03690	.13736	1.20370
.900	6.457	3.11250	.19103	.13191	.10723	-.00476	.00660	-.09280	.17498	.15255	1.14486
.900	9.707	3.08150	.34303	.13055	.09346	-.00529	.00578	-.09021	.31894	.16345	1.07361
.900	13.907	3.03980	.50274	.12591	.07760	-.00597	.00454	-.08334	.46771	.18007	2.04176
.900	15.194	2.99532	.64456	.13078	.07706	-.00676	.00326	-.08032	.59031	.20020	2.12752
.979	15.447	2.98250	.79123	.13480	.09565	-.00739	.00400	-.09530	.71074	.37760	2.15323
.980	17.004	2.94458	.93051	.13710	.08626	-.00808	.00169	-.09220	.86304	.40962	2.10543
.980	19.900	2.89563	1.04651	.13150	.08063	-.01180	-.00002	-.09744	.94201	.46102	1.95585
.979	22.102	2.84654	1.15227	.12772	.07690	-.01147	-.00042	-.09012	1.03954	.50186	1.84736

LAS1 TABULATED SOURCE DATA

(RHV025)

LARC6TPT-684 (LA-51) (B2F1M1) (WIE1S2) (V1)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 AILRON = .000 BOFLAP = -11.700
 SPDBRK = .000

RUN NO. 111/ 0

WACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
1.199	-2.447	5.16771	-3.0703	.16504	.13693	-.00302	.009970	-.09991	-.29970	.17800	-1.68369
1.200	-1.178	5.17162	-.16134	.16340	.11217	-.00444	.00801	-.09753	-.16084	.16390	-.98128
1.200	2.054	5.16456	-.02120	.16050	.09010	-.00443	.00589	-.09320	-.02694	.15963	-.16877
1.200	4.319	5.14775	.11903	.15685	.07089	-.00449	.00426	-.08841	.10687	.16537	.64628
1.200	6.568	5.12014	.25333	.15417	.05581	-.00478	.00300	-.08259	.23403	.18214	1.28493
1.200	8.846	5.08831	.39746	.15333	.04076	-.00593	.00236	-.07953	.36916	.21262	1.73621
1.200	11.109	5.04860	.53781	.15175	.02872	-.00826	.00150	-.07612	.49849	.25253	1.97398
1.199	13.365	5.00632	.67358	.14862	.01771	-.00771	-.00001	-.07461	.62098	.30030	2.06786
1.200	15.592	4.96143	.79451	.14581	.01418	-.00704	-.00148	-.07549	.72609	.35399	2.05115
1.200	17.831	4.90689	.91450	.14248	.01548	-.00643	-.00424	-.07399	.82694	.41567	1.98943
1.201	20.057	4.84254	1.02342	.13883	.02303	-.00641	-.00735	-.07058	.91373	.48140	1.89808
1.200	22.284	4.77184	1.12512	.13267	.03746	-.00665	-.00958	-.06885	.99079	.54941	1.80338

(RHV026)

LARC6TPT-684 (LA-51) (B4F1M1) (WIE1S0) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AILRON = .000 BOFLAP = -11.700
 SPDBRK = .000

RUN NO. 130/ 0

WACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.349	-2.069	-.00306	-.15956	.05446	.02856	.00209	.00003	.00623	-.15749	.06018	-2.61685
.350	-.025	-.00176	-.06061	.05596	.02882	.00215	-.00410	.00410	-.06859	.05599	-1.22505
.350	.278	-.00080	-.06434	.05618	.02952	.00252	-.00010	.00174	-.06461	.05587	-1.15646
.350	2.233	-.00040	.02763	.05425	.03118	.00251	.00001	.00080	.02580	.05529	.46122
.349	3.940	-.00014	.10571	.04988	.03105	.00266	-.00024	.00056	.10203	.05703	1.78917
.350	5.927	-.00102	.20096	.04240	.03131	.00274	.00016	.00191	.19551	.06292	3.10698
.350	8.109	-.00229	.30818	.03039	.03087	.00292	.00000	.00472	.30082	.07355	4.08992
.350	10.424	-.00263	.42085	.01779	.03232	.00274	-.00013	.00559	.41068	.09364	4.38563
.357	12.491	-.00178	.54167	.00717	.02734	.00319	.00000	.00281	.52730	.12415	4.24729
.349	14.321	-.00143	.65443	.00810	.01654	.00487	.00142	.00139	.63209	.16973	3.72417
.349	16.295	-.00060	.77188	.00912	.00630	.00454	-.00008	.00137	.73831	.22533	3.27662
.349	18.408	-.00016	.90845	.00306	-.00278	.00469	.00002	.00032	.86099	.28970	2.97122
.349	21.731	.00072	1.13367	-.00795	-.01647	.00363	.00178	-.00363	1.05605	.41236	2.56100

LA51 TABULATED SOURCE DATA

(RHV026)

LARC8TPT-684(LA-51) (B4F1M1) (MIE190) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AIRRON = .000 BDFLAP = -11.700
 SPDORK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CC	L/D
.800	-2.290	-.00005	-.21290	.05927	.04995	.00232	.00055	.00377	-.21037	.06773	-3.10610
.801	-1.102	.00054	-.10239	.06061	.04831	.00234	.00055	-.00092	-.10228	.06060	-1.68243
.801	1.878	.00374	-.00281	.05883	.04756	.00261	.00055	-.00267	-.00474	.05871	-.06070
.801	4.332	.00295	.13993	.05309	.04377	.00227	.00064	.00235	.13530	.06399	2.11455
.801	6.441	.00173	.24215	.05015	.03844	.00304	.00140	-.00254	.23500	.07730	3.05203
.802	8.881	-.00029	.37137	.04928	.03362	.00328	.00160	-.00167	.35931	.15653	3.36887
.801	15.361	-.00298	.47938	.05095	.03006	.00294	.00185	-.00046	.46094	.14217	3.26223
.801	13.068	-.00090	.59002	.05378	.02543	.00333	.00168	-.00176	.56259	.18579	2.02310
.801	15.181	.05175	.72936	.05691	.00915	.00622	.00143	.00263	.68900	.24592	2.09167
.801	17.416	.00448	.86370	.05752	.00123	.00721	.00141	-.00417	.80689	.31239	2.57457
.800	19.724	.00291	.98353	.05874	.00189	.00425	.00344	-.00562	.50293	.38615	2.33829
.800	22.083	-.00026	1.04376	.06302	.00117	-.00127	.00462	-.00513	.94349	.45080	2.05294

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CC	L/D
.800	-2.461	-.00615	-.24092	.07551	.06795	.00255	.00133	.00143	-.23754	.08370	-2.63492
.801	-.099	.00361	-.05925	.07458	.05322	.00271	.00125	-.00315	-.08512	.07474	-1.27267
.801	2.182	.00522	.03051	.07373	.04711	.00188	.00101	-.00366	.02748	.07483	.36722
.800	4.440	.00580	.15204	.07206	.04412	.00192	.00124	-.00420	.14630	.02563	1.74581
.800	6.637	.00692	.27115	.07187	.03754	.00225	.00234	-.00558	.26102	.10273	2.54935
.800	8.628	.00605	.39367	.07362	.02769	.00264	.00298	-.00533	.37771	.15316	2.83651
.800	11.151	.00529	.52486	.07767	.01344	.00261	.00406	-.00722	.45993	.17771	2.81316
.800	13.479	.00774	.66496	.08155	-.00348	.00304	.00443	-.00888	.62766	.23433	2.67883
.800	15.538	.00539	.78457	.08366	-.01510	.00394	.00394	-.00918	.73342	.29058	2.52052
.800	17.944	.00773	.91864	.08605	-.01803	.00235	.00391	-.00839	.84745	.36486	2.32256
.800	20.068	.01080	1.01528	.08734	-.01135	-.00301	.00658	-.01304	.92367	.43045	2.14394
.800	22.174	.00545	1.09684	.08932	.00211	-.00146	.00551	-.00913	.94497	.48158	1.88221

LAS1 TABULATED SOURCE DATA

(RHV026)

LARC8TPT-684 (LA-51) (B4F1M1) (WIE1SD) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AILRON = .000 BDFLAP = -11.700
 SPDPRK = .000

RUN NO. 127/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.980	-2.445	-.00709	-.23001	.12508	.07173	.00260	.00210	.00073	-.22446	.13478	-1.66542
.980	-.153	.00007	-.08704	.12629	.05237	.00247	.00164	-.00190	-.08671	.12652	-.68533
.980	2.208	.00795	.05657	.12596	.03412	.00269	.00165	-.00540	.05367	.12812	.41892
.979	4.418	.00665	.19792	.12266	.01893	.00220	.00247	-.00577	.18788	.13755	1.36597
.979	6.728	.00935	.35624	.11995	.00469	.00231	.00377	-.00847	.31988	.15852	2.01795
.979	8.929	.00758	.47259	.11957	-.01295	.00267	.00434	-.00835	.44831	.19146	2.34146
.979	11.500	.00813	.63585	.12322	-.03713	.00278	.00477	-.00912	.59852	.24751	2.41813
.982	13.614	.01380	.76689	.12903	-.05366	.00437	.00542	-.01246	.71497	.30592	2.33714
.980	15.942	.01486	.90733	.12931	-.07015	.00467	.00602	-.01371	.83691	.37355	2.24045
.980	18.390	.00642	1.06603	.13305	-.09076	.00063	.00505	-.00876	.96962	.46257	2.09614
.980	20.489	.00723	1.19808	.13422	-.10812	-.00172	.00558	-.00980	1.07531	.54510	1.97269
.978	22.783	.00779	1.28878	.13154	-.08997	.00004	.00545	-.00997	1.13728	.62035	1.83329

RUN NO. 126/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
1.200	-2.506	-.01312	-.21280	.13954	.07542	.00177	.00157	.00327	-.20650	.14871	-1.38862
1.201	-.057	-.00121	-.05566	.13902	.04155	.00210	.00138	-.00111	-.05552	.13907	-.39923
1.201	2.253	.00357	.08626	.13818	.01399	.00234	.00102	-.00255	.00076	.14146	.57091
1.200	4.546	.00163	.22865	.13735	-.01218	.00141	.00108	-.00186	.21704	.15504	1.39993
1.200	6.976	.00231	.37024	.13454	-.03211	.00279	.00151	-.00262	.35116	.17851	1.96713
1.200	9.131	.00054	.48920	.13335	-.04439	.00101	.00132	-.00172	.46184	.20929	2.20668
1.199	11.454	.00007	.63073	.13344	-.06251	.00240	.00196	-.00226	.59167	.25604	2.31090
1.201	13.941	-.00034	.78710	.13479	-.08598	.00140	.00211	-.00228	.73144	.32045	2.28255
1.200	16.201	.00025	.90921	.13619	-.09671	.00135	.00226	-.00268	.83511	.38446	2.17218
1.199	18.438	.00012	1.02217	.13711	-.10496	.00072	.00252	-.00294	.92633	.45336	2.04325
1.198	20.756	.00323	1.13173	.13634	-.10555	.00104	.00396	-.00588	1.00996	.52857	1.91076
1.200	22.982	-.00032	1.22549	.13575	-.10303	.00041	.00365	-.00404	1.07522	.60347	1.78172

LAS1 TABULATED SOURCE DATA

(RMH027)

LARC00PT-004 (LA-31) (S4FIM1) (MIE1S0) (V1)

PARAMETRIC DATA

DETA = .000 ELEVTR = -10.000
ALURON = .000 DCLAP = -11.100
SPDERK = .000

RUN NO. 95/0

ALPHA	DETA	CN	CA	CLN	CBL	CYN	CY	CL	CD	L/D
551	-2.1584	-1.34632	.03611	.11506	.00095	.00064	.00730	-.03406	.00000	-5.01009
552	-1.660	-1.00283	.05867	.11481	.00100	-.00044	.00643	-.05502	.05814	-4.33012
553	1.940	-1.00398	.05855	.11707	.00165	-.00095	.00300	-.17524	.05262	-3.34942
554	3.976	-1.00131	.05482	.11722	.00096	-.00054	.00327	-.06422	.04010	-1.71622
555	8.863	-1.00104	.04766	.11839	.00076	-.00041	.00259	.01115	.04012	.22703
556	8.682	-1.00301	.03830	.11922	.00059	-.00033	.00652	.01071	.05340	2.00497
557	10.150	-1.00200	.02737	.12119	.00160	-.00040	.00465	.20789	.06007	3.19476
558	12.270	-1.00219	.01056	.11800	.00140	.00005	.00445	.31999	.06038	3.69545
559	14.314	-1.00140	.01340	.10740	.00145	.00135	.00136	.43010	.12110	3.48598
560	16.299	-1.00145	.01103	.09635	.00222	.00100	.00186	.54551	.17140	3.18429
561	18.902	-1.00010	.00332	.08577	.00140	.00007	.00000	.80236	.04059	2.87777
562	20.417	-1.00075	-.00162	.08304	.00027	.00114	-.00030	.77540	.00009	2.70004

RUN NO. 96/0

ALPHA	DETA	CN	CA	CLN	CBL	CYN	CY	CL	CD	L/D
563	-2.648	-1.01334	.08097	.14281	.00070	.00043	.00691	-.00270	.00000	-4.07600
564	-1.546	-1.00325	.07145	.13404	.00077	.00022	.00150	-.02745	.07153	-3.61533
565	1.938	-1.00104	.06305	.12960	.00087	-.00007	.00060	-.10061	.03369	-2.87800
566	4.291	-1.00042	.06363	.12592	.00105	-.00014	.00000	-.03720	.06102	-.61104
567	6.463	-1.00102	.05751	.12160	.00023	.00007	.00010	.07978	.06068	1.19219
568	8.430	-1.00141	.05317	.11899	.00049	.00040	-.00020	.16434	.08310	2.02911
569	10.758	-1.00203	.05114	.11899	.00125	.00129	-.00021	.29517	.11475	2.57810
570	12.614	-1.00115	.05042	.12330	.00165	.00114	-.00036	.38420	.15053	2.55004
571	15.181	-1.00020	.05023	.11911	.00339	.00037	-.00000	.69500	.10000	2.48704
572	17.044	-1.00167	.05297	.11492	.00017	.00052	-.00156	.50310	.03471	2.00770
573	19.046	-1.00026	.06167	.10686	.00476	.00102	-.00130	.72801	.30420	2.04011
574	21.769	-1.00026	.06226	.11420	-.00189	.00109	-.00007	.67902	.50970	2.00540

LA51 TABULATED SOURCE DATA

LARC8TPT-684 (LA-51) (BAF1H1) (WIE190) (V1) (RHV027)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AILRON = .000 BOFLAP = -11.700
 SPDBRK = .000

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.900	-2.619	-.01376	-.41732	.09009	.16621	.00077	.00077	.00372	-.41277	.10908	-3.76462
.900	-.219	-.00346	-.26566	.09092	.14849	.00161	.00039	.00121	-.26531	.09194	-2.88573
.899	2.034	.00223	-.12367	.08883	.13265	.00181	.00000	-.00107	-.12675	.08439	-1.50193
.899	4.282	.00357	.01564	.08841	.11834	.00153	.00011	-.00185	.00922	.08634	.10681
.900	6.538	.00125	.15022	.08326	.10840	.00136	.00101	-.00175	.13976	.09982	1.40006
.899	8.733	-.00154	.27507	.08206	.09976	.00054	.00127	-.00070	.25930	.12366	2.09685
.899	10.993	.00079	.41203	.08378	.08163	.00101	.00235	-.00308	.36849	.16082	2.41578
.899	13.325	.00539	.53978	.08678	.07325	.00169	.00239	-.00539	.50524	.20885	2.41917
.900	15.458	.00543	.65105	.08769	.06803	.00155	.00172	-.00467	.60413	.25804	2.34118
.899	17.727	.00744	.76649	.08737	.06847	.00092	.00196	-.00599	.70349	.31660	2.22202
.899	19.988	.01182	.87223	.08881	.08059	-.00092	.00407	-.01069	.78933	.38161	2.06840
.899	22.038	.00609	.92148	.09361	.10979	-.00403	.00382	-.00751	.81903	.43253	1.89356

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.979	-2.522	-.00898	-.39607	.13759	.17603	.00162	.00081	.00438	-.38964	.15488	-2.51566
.980	-.230	-.00124	-.24074	.13644	.14923	.00158	.00083	-.00022	-.24020	.13641	-1.76090
.980	1.939	.00416	-.10356	.13457	.12826	.00177	.00080	-.00337	-.10805	.13098	-.82491
.980	4.329	.00363	.05381	.13134	.10561	.00118	.00162	-.00400	.04374	.13502	.32392
.980	6.456	.00461	.18814	.12993	.08777	.00131	.00249	-.00557	.17234	.15026	1.14693
.979	8.666	.00279	.33165	.12930	.06847	-.00028	.00257	-.00461	.30838	.17780	1.73442
.979	10.920	.00277	.47983	.13125	.04468	-.00009	.00275	-.00481	.44638	.21979	2.03092
.978	13.068	.00522	.61328	.13294	.03036	.00108	.00360	-.00728	.56734	.26816	2.11567
.977	15.399	.00838	.74685	.13218	.01940	.00312	.00196	-.00737	.68493	.32575	2.10261
.977	17.422	.00768	.86230	.12937	.00947	.00117	.00273	-.00787	.78401	.38161	2.05446
.983	19.704	.00479	1.01014	.13558	-.00765	-.00295	.00288	-.00628	.90529	.46822	1.93347
.981	21.953	.00803	1.13745	.13033	-.01461	-.00248	.00328	-.00884	1.00626	.54611	1.84258

LARC8 TPT-684 (LA-51) (WIE15G) (V1)

LARC8 TPT-684 (LA-51) (WIE15G) (V1)

(RHV027)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AIRLN = .000 BDFLAP = -11.700
 SPDRK = .000

RIN NO. 91/0

HACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
1.000	-2.405	-0.0120	-0.31007	.15904	.13945	.00078	.00164	.00556	-.30099	.17215	-1.76006
1.000	-1.107	-0.0270	-0.15845	.15725	.10720	.00055	.00100	.00028	-.10016	.15754	-1.00391
1.000	0.686	0.0050	-0.02503	.15393	.08109	.00122	.00086	-.00125	-.03046	.15294	-1.19915
1.000	4.042	0.0162	.11248	.15095	.05621	.00130	.00110	-.00010	.00101	.15866	.63602
1.000	0.049	.00090	.25427	.14788	.03502	.00143	.00154	-.00009	.00044	.17632	1.33525
1.000	0.377	.00130	.41712	.14311	.01432	.00049	.00140	-.00037	.00023	.06916	1.85618
1.000	11.028	.00167	.55145	.14179	-.00190	.00049	.00175	-.00003	.00003	.25910	2.04629
1.195	13.289	.00222	.65632	.14234	-.01614	.00078	.00157	-.00004	.00004	.00950	2.09318
1.198	15.765	.00445	.79429	.14011	-.03059	.00054	.00189	-.00054	.00034	.26136	2.07134
1.190	17.044	.00483	.89499	.13707	-.03446	.00033	.00206	-.00040	.00064	.42475	2.00118
1.190	20.324	.00710	1.00513	.13453	-.03533	.00041	.00251	-.00042	.00062	.47389	1.89291
1.190	22.100	.00750	1.08969	.13185	-.03500	-.00002	.00272	-.00035	.00056	.50298	1.00006

LARC8 TPT-684 (LA-51) (WIE15G) (V1)

(RHV026)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 AIRLN = .000 BDFLAP = -11.700
 SPDRK = .000

RIN NO. 100/0

HACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
1.000	-2.040	5.03085	-0.35275	.05490	.10700	.00009	.00335	-.07305	-.33058	.06675	-4.95254
1.000	.046	5.03405	-0.23651	.05743	.10596	-.00112	.00315	-.07271	-.25855	.05725	-4.16670
1.000	2.612	5.03053	-0.12483	.05659	.10832	-.00221	.00184	-.07439	-.12729	.05085	-2.58323
1.000	4.203	5.02154	-0.05318	.05370	.10949	-.00287	.00212	-.07322	-.05567	.04905	-1.14723
1.000	6.200	5.00596	.04263	.04029	.11070	-.00415	.00164	-.07344	.00737	.05003	.73809
1.000	8.199	4.98275	.13092	.03753	.11265	-.00525	.00259	-.07181	.12430	.05532	2.24678
1.000	10.200	4.97440	.23506	.02571	.11530	-.00542	.00244	-.07324	.22749	.06738	3.37600
1.000	12.346	4.92000	.34164	.01504	.11324	-.00518	.00206	-.07521	.33053	.08775	3.76882
1.000	14.289	4.88181	.46080	.01186	.10361	-.00484	.00133	-.07836	.44365	.12531	3.54032
1.000	16.110	4.82234	.61171	.00923	.09451	-.00549	.00406	-.07919	.58479	.16741	3.13717
1.000	18.577	4.77760	.79094	.00539	.08856	-.00562	.00497	-.08140	.67660	.23128	2.53422
1.000	21.677	4.6776	.92410	-.00023	.07137	-.00498	.00573	-.08106	.66097	.33054	2.00480

LA51 TABULATED SOURCE DATA

(RHV028)

LARC8TPT-604 (LA-51) (04F1M1) (M1E1SD) (V1)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 ATLRON = .000 BDFLAP = -11.700
 SPDBRK = .000

RUN NO. 99/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.801	-2.249	5.14426	-.37436	.06734	.13277	.00317	.00485	-.08640	-.37143	.08198	-4.53089
.801	-.193	5.14822	-.26055	.06904	.12495	.00108	.00476	-.08627	-.26032	.06992	-3.72326
.801	1.902	5.14634	-.15022	.06817	.12197	-.00061	.00405	-.08603	-.15240	.06315	-2.41320
.801	4.050	5.13545	-.03308	.06334	.11958	-.00168	.00344	-.08479	-.03747	.06084	-.61589
.800	6.391	5.11490	.09645	.05566	.11737	-.00432	.00393	-.08458	.08965	.06605	1.35723
.800	8.653	5.08734	.21676	.05320	.11323	-.00410	.00365	-.08389	.20628	.08521	2.42104
.801	11.191	5.04653	.34172	.05596	.11544	-.00385	.00307	-.08198	.32436	.12123	2.67571
.800	13.083	5.01170	.43095	.05841	.11942	-.00502	.00237	-.08169	.40654	.15444	2.63229
.800	15.175	4.97024	.53980	.06056	.11619	-.00357	.00097	-.08236	.50513	.19975	2.52882
.800	18.650	4.88992	.76081	.05562	.10118	.00060	-.00130	-.08557	.70308	.29600	2.37527
.799	20.045	4.84898	.84087	.05430	.10006	-.00026	-.00233	-.08483	.77132	.33923	2.27373
.800	21.916	4.77989	.88230	.05894	.12610	-.01048	-.00474	-.07667	.79653	.38400	2.07430

RUN NO. 98/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.900	-2.576	5.17482	-.40845	.08780	.15575	.00632	.00513	-.09200	-.40409	.10607	-3.80976
.900	-.281	5.18175	-.25985	.08999	.13877	.00389	.00487	-.09260	-.25940	.09127	-2.84225
.900	1.946	5.18000	-.12075	.08861	.12358	.00201	.00433	-.09253	-.12369	.08445	-1.46456
.901	4.281	5.16798	.02579	.08483	.11005	.00027	.00416	-.09197	.01938	.08652	.22402
.900	6.606	5.14313	.15854	.08145	.10409	-.00077	.00385	-.08932	.14812	.09914	1.49400
.901	8.848	5.11374	.29233	.08104	.09358	-.00237	.00272	-.08680	.27638	.12504	2.21037
.900	11.624	5.06648	.45490	.08235	.07815	-.00360	.00113	-.08362	.42897	.17232	2.48940
.900	13.846	5.02480	.57199	.08215	.07196	-.00355	-.00064	-.08276	.53571	.21665	2.47271
.899	15.613	4.98794	.66662	.08174	.06933	-.00291	-.00261	-.08233	.62002	.25813	2.40198
.899	17.754	4.92695	.77430	.08260	.07055	-.00488	-.00607	-.07546	.71224	.31478	2.26264
.899	20.037	4.85637	.87277	.08661	.08822	-.00702	-.01021	-.06861	.79027	.38040	2.07749
.899	22.272	4.77778	.93186	.09102	.11777	-.00948	-.01487	-.06012	.82784	.43741	1.89261

LA51 TABULATED SOURCE DATA

(RHVD28)

LARC8TPT-684 (LA-51) (B4F1M1) (WIE1SD) (V1)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPD8RK = .000

RUN NO. 97/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
.978	-2.397	5.14725	-.38681	.13729	.16513	.00374	.00842	-.09912	-.38072	.15335	-2.48266
.979	-.257	5.15432	-.24133	.13723	.14346	.00072	.00820	-.10034	-.24071	.13832	-1.74031
.981	2.075	5.15086	-.08911	.13657	.12191	-.00154	.00780	-.09960	-.09400	.13326	-.70540
.981	4.295	5.13557	.05398	.13404	.10355	.00302	.00716	-.09642	.04379	.13770	.31799
.981	6.469	5.11372	.19186	.13176	.08839	-.00261	.00719	-.09429	.17580	.15254	1.15248
.980	8.907	5.08076	.34612	.13161	.06826	-.00165	.00664	-.09145	.32157	.18361	1.75136
.979	10.915	5.04540	.48704	.13149	.04455	-.00270	.00427	-.08613	.45333	.22134	2.04817
.979	13.343	5.00353	.63256	.13172	.03019	-.00175	.00244	-.08626	.58509	.27415	2.13420
.978	15.396	4.96338	.75581	.12804	.02012	-.00077	.00113	-.08663	.69470	.32410	2.14345
.979	17.712	4.90690	.89058	.12655	.01243	-.00507	-.00238	-.08557	.80986	.39150	2.06864
.979	19.892	4.84151	1.02602	.12752	-.00167	-.00951	-.00550	-.08040	.92141	.46901	1.96460
.980	22.108	4.77346	1.13609	.12640	.00013	-.00669	-.00840	-.07884	1.00498	.54468	1.84507

RUN NO. 96/ 0

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
1.199	-2.375	5.16956	-.30504	.15969	.13503	-.00303	.00931	-.10028	-.29816	.17219	-1.73155
1.199	-.218	5.17204	-.16883	.15753	.10760	-.00330	.00791	-.09767	-.16823	.15817	-1.06360
1.200	2.203	5.16367	-.01441	.15386	.07753	-.00306	.00599	-.09307	-.02032	.15319	-.13263
1.200	4.427	5.14573	.12251	.15056	.05415	-.00319	.00407	-.08758	.11052	.15957	.69263
1.200	6.486	5.12317	.24330	.14821	.03697	-.00295	.00312	-.08390	.22500	.17475	1.28759
1.199	8.788	5.09329	.38005	.14617	.02020	-.00328	.00294	-.08239	.35326	.20252	1.74430
1.199	11.404	5.05107	.53609	.14276	.00133	-.00501	.00171	-.08039	.49728	.24595	2.02191
1.199	13.607	5.01507	.66121	.14079	-.01215	-.00290	.00146	-.08361	.60953	.29240	2.08458
1.199	15.598	4.97428	.77418	.13766	-.02323	-.00268	-.00068	-.08340	.70866	.34076	2.07965
1.200	17.700	4.92297	.88567	.13379	-.03093	-.00260	-.00379	-.08129	.80307	.39673	2.02421
1.199	19.923	4.86056	.99504	.13113	-.03361	-.00327	-.00798	-.07758	.89081	.46236	1.92666
1.199	22.209	4.79168	1.09696	.12850	-.03101	-.00311	-.01152	-.07626	.96700	.53360	1.81223

LA51 TABULATED SOURCE DATA

(PHV0001)

LARC0TPT-604 (LA-51) (B1F1M1) (MIE1S0) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 ATLRON = .000 BDFLAP = .000
 SPOBRK = .000

RUN NO. 10/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.349	-2.043	-.00504	7.95567	-.19106	-.16760	-.21207	-.21041
.349	.012	-.00314	7.93773	-.19328	-.16467	-.21302	-.20662
.348	2.045	-.00370	7.91533	-.19772	-.15944	-.21266	-.20292
.349	4.089	-.00356	7.94226	-.19896	-.15608	-.22095	-.20083
.349	6.128	-.00310	7.93777	-.19955	-.15286	-.22723	-.20141
.349	8.174	-.00429	7.93327	-.19918	-.14869	-.23210	-.20342
.348	10.242	-.00540	7.90189	-.20234	-.15449	-.23824	-.20754
.349	12.277	-.00465	7.93327	-.20583	-.16098	-.24585	-.21431
.349	14.338	-.00571	7.93776	-.21378	-.17506	-.24998	-.22318
.348	16.402	-.00384	7.89740	-.22153	-.19825	-.25409	-.23762
.348	18.462	-.00228	7.90188	-.23476	-.22471	-.25538	-.26079
.348	20.523	-.00137	7.88841	-.25520	-.25361	-.26725	-.28123

RUN NO. 9/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.800	-2.291	-.00591	29.82765	-.22011	-.19059	-.21829	-.22143
.801	-.106	-.00181	29.85683	-.21676	-.18339	-.21847	-.21519
.800	2.094	.00475	29.81682	-.21564	-.17683	-.22064	-.21231
.801	4.302	.00282	29.86004	-.21409	-.17019	-.22714	-.21178
.800	6.519	.00240	29.83698	-.21550	-.16679	-.23651	-.21381
.800	8.706	-.00119	29.82675	-.22214	-.16898	-.25373	-.22358
.801	10.901	-.00206	29.85653	-.23568	-.18076	-.26710	-.23583
.800	13.146	-.00334	29.83758	-.25400	-.20034	-.28100	-.25158
.800	15.401	-.00197	29.83989	-.27557	-.23136	-.30241	-.27737
.801	17.619	-.00205	29.88109	-.29815	-.27072	-.31246	-.30354
.800	19.842	-.00226	29.84981	-.33630	-.32336	-.33860	-.33933
.801	21.991	-.00124	29.86004	-.38627	-.37663	-.40160	-.39923

LA51 TABULATED SOURCE DATA

LARC8TPT-684 (LA-51) (B1F1M1) (MIE1SC) (V1)

(PHV001)

PARAMETRIC DATA

BETA = .000 ELEV2 = .000
ALPHA = .000 SDFLAP = .000
SDFLAP = .000

RUN NO. 8 / 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.900	-2.373	-.00461	34.03112	-.24224	-.21517	-.23317	-.23611
.900	-.107	.00388	34.03243	-.23836	-.20743	-.22242	-.23069
.900	2.131	.00656	34.03158	-.23239	-.19655	-.22342	-.22683
.901	4.373	.00634	34.05847	-.23033	-.19902	-.24105	-.22566
.899	6.632	.00205	33.99127	-.23388	-.18807	-.25403	-.23052
.900	8.860	.00415	34.02784	-.24902	-.19745	-.27352	-.24728
.900	11.097	.00335	34.03375	-.27277	-.21438	-.29306	-.26556
.900	13.367	.00205	34.02718	-.29462	-.23029	-.31887	-.28857
.900	15.632	-.00035	34.02105	-.32379	-.25899	-.35043	-.31800
.899	17.884	-.00085	33.98426	-.35506	-.29479	-.36608	-.34454
.900	20.114	.00230	34.01667	-.40500	-.34566	-.41107	-.39137
.901	21.107	.00358	34.03650	-.43472	-.37641	-.43069	-.42147

RUN NO. 7 / 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.980	-2.367	-.00328	36.87376	-.39114	-.32962	-.40305	-.37547
.980	-.072	.00232	36.88330	-.38357	-.32403	-.39273	-.36681
.980	2.201	.00757	36.87889	-.37967	-.32360	-.39057	-.36383
.980	4.510	.00689	36.87376	-.38307	-.32911	-.39305	-.36681
.980	6.791	.00556	36.87447	-.39783	-.33699	-.40769	-.37787
.980	9.076	.00709	36.86350	-.42713	-.35567	-.43491	-.40240
.980	11.359	.00361	36.86202	-.45829	-.38638	-.47460	-.43765
.980	13.635	.00441	36.86202	-.49211	-.42086	-.51439	-.47179
.979	15.938	.00437	36.85542	-.52179	-.45616	-.54464	-.50669
.979	18.277	-.00342	36.85035	-.55456	-.51425	-.56900	-.54518
.982	20.569	-.00189	36.99379	-.58964	-.57770	-.60960	-.58236
.980	22.795	-.00597	36.86497	-.62330	-.60664	-.63723	-.63696

LAS1 TABULATED SOURCE DATA

LARC8TPT-684 (LA-51) (B1F1M1) (M1E1S0) (V1)

(PHV0001)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AILRON = .000 BDFLAP = .000
 SPDDBK = .000

RUN NO. 6/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
1.200	-2.382	-.00594	42.18766	-.35751	-.34416	-.34863	-.33244
1.201	-.038	.00050	42.18654	-.34890	-.34750	-.34092	-.33561
1.200	2.271	.00431	42.18664	-.35053	-.33765	-.34344	-.34373
1.200	4.593	.00423	42.18942	-.36244	-.34231	-.35479	-.35980
1.200	6.905	.00353	42.18737	-.37508	-.35445	-.36590	-.37125
1.200	9.208	-.00030	42.19322	-.38784	-.36378	-.37722	-.38255
1.200	11.549	-.00372	42.19879	-.39933	-.37930	-.39172	-.39917
1.200	13.881	-.00456	42.17224	-.40625	-.40796	-.40719	-.41409
1.200	16.195	-.00247	42.20639	-.42959	-.43501	-.43326	-.44244
1.199	18.478	-.00069	42.14751	-.45780	-.46017	-.46144	-.47327
1.199	20.726	-.00335	42.17992	-.47914	-.48346	-.48426	-.49819
1.199	22.976	-.00169	42.18058	-.50438	-.50503	-.51419	-.52542

LARC8TPT-684 (LA-51) (B1F1M1) (M1E1S0) (V1)

(PHV0002)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AILRON = .000 BDFLAP = -11.700
 SPDDBK = .000

RUN NO. 5/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.349	-2.061	-.00341	7.94687	-.20946	-.18305	-.21669	-.21549
.349	-.019	-.00071	7.96479	-.20475	-.17842	-.21386	-.20983
.349	2.015	.00103	7.96929	-.20133	-.17597	-.21421	-.20831
.350	4.063	-.00048	8.01412	-.19835	-.17174	-.21350	-.20295
.351	6.097	-.00090	8.04097	-.19676	-.17211	-.21840	-.20181
.350	8.146	-.00250	7.99615	-.19455	-.17211	-.22243	-.20293
.350	10.216	-.00142	7.98722	-.19477	-.17465	-.21905	-.20644
.350	12.250	-.00168	8.00514	-.19716	-.18034	-.21843	-.20833
.350	14.328	-.00237	7.99617	-.20584	-.19506	-.22477	-.22310
.349	16.384	-.00098	7.96930	-.21690	-.21543	-.23509	-.23843
.349	18.431	-.00107	7.95135	-.23347	-.24134	-.25342	-.26114
.350	20.405	.00037	7.90722	-.24938	-.26652	-.27252	-.28487

LA51 TABULATED SOURCE DATA
LARC8TPT-684(LA-51) (B1F1M1) (W1E1S0) (V1)

(PHV002)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
A1LRON = .000 BDFLAP = -11.700
SPDBRK = .000

RUN NO. 4/0

MACH	ALPHA	BETA	Q(KFA)	CP1	CP2	CP3	CP4
.801	-2.339	-.00350	29.88751	-.21875	-.20261	-.22826	-.22033
.801	-.132	.00360	29.86385	-.21362	-.19573	-.22478	-.21609
.801	2.059	.00539	29.88019	-.20823	-.18862	-.22102	-.21071
.801	4.267	.00486	29.87287	-.20551	-.18516	-.22208	-.20938
.801	6.478	.00317	29.86446	-.20543	-.18670	-.22452	-.20988
.800	8.705	.00150	29.80397	-.20935	-.19509	-.22772	-.21763
.801	10.872	-.00087	29.87789	-.21844	-.20943	-.23398	-.22969
.801	13.097	-.00142	29.86966	-.23348	-.22992	-.24423	-.24859
.801	15.353	.00184	29.86706	-.25918	-.26215	-.26990	-.27825
.801	17.569	.00172	29.86125	-.28618	-.29028	-.29737	-.30669
.800	19.789	.00321	29.83758	-.32055	-.32601	-.32982	-.34212
.801	21.917	-.00010	29.87408	-.37545	-.37927	-.38765	-.40452

RUN NO. 3/0

MACH	ALPHA	BETA	Q(KFA)	CP1	CP2	CP3	CP4
.900	-2.396	-.00210	34.03418	-.23667	-.21813	-.25082	-.23884
.900	-.133	.00947	34.01864	-.21887	-.21262	-.22874	-.22494
.900	2.109	.00930	34.02477	-.21375	-.20488	-.22671	-.22016
.900	4.335	.00917	34.02280	-.20746	-.20126	-.22231	-.21775
.900	6.577	.00544	34.00638	-.22216	-.20124	-.23755	-.22524
.900	8.815	.00519	34.03528	-.24263	-.21515	-.25677	-.24126
.901	11.083	.00676	34.06262	-.26530	-.23279	-.27388	-.26364
.901	13.338	.00555	34.07159	-.27218	-.25877	-.27998	-.29198
.900	15.584	.00592	34.02018	-.29912	-.29393	-.31076	-.32451
.900	17.840	.00290	34.02937	-.33341	-.32213	-.35174	-.35110
.900	20.056	.00554	34.04841	-.38227	-.36769	-.39479	-.39696
.901	22.203	.00710	34.08274	-.46078	-.43499	-.47726	-.45710

BETA	=	.000	ELEVTR	=	.000
AILRON	=	.000	BDFLAP	=	-11.700
SFCBRK	=	.000			

RUN NO.	2 / 0	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
MACH								
.981	-2.417		-.00186	36.91176	-.39863	-.34594	-.42334	-.39226
.981	-.129		.00735	36.94422	-.39562	-.33813	-.42002	-.38541
.980	2.182		.01075	36.88631	-.38913	-.33228	-.40919	-.37555
.980	4.463		.01106	36.92269	-.38697	-.33333	-.40360	-.37464
.980	6.744		.00971	36.88321	-.39276	-.33508	-.40085	-.37653
.980	9.057		.01107	36.89121	-.40823	-.34350	-.41362	-.39411
.979	11.317		.00448	36.87731	-.43404	-.37312	-.44478	-.42066
.980	13.625		.00636	36.88756	-.46669	-.41325	-.47973	-.45466
.979	15.916		.00470	36.87219	-.50680	-.46098	-.51888	-.49232
.979	18.196		-.00043	36.86483	-.53641	-.50801	-.55660	-.53172
.980	20.502		.00303	36.87662	-.56136	-.56972	-.58009	-.57127
.979	22.740		-.00454	36.88316	-.60896	-.58888	-.61930	-.60908

RUN NO.	MACH	ALPHA	1 / D
1.200	-2.416		
1.201	-0.99		
1.202	2.222		
1.203	4.550		
1.204	6.888		
1.205	9.161		
1.206	11.517		
1.207	13.848		
1.208	16.150		
1.209	18.428		
1.210	20.666		
1.211	22.959		
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LAS1 TABULATED SOURCE DATA

(PHV003)

LARC8TPT-684(LA-51) (B1F1M1) (M1E1SD) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 ATLRON = .000 BOFLAP = -11.700
 SPDBRK = .000

RUN NO. 20/ 0

MACH	ALPHA	BETA	Q (KPA)	CF1	CF2	CF3	CF4
.350	-2.218	-.00328	7.98272	-.17581	-.14710	-.17931	-.18356
.350	-.167	-.00160	8.00961	-.17429	-.14474	-.17825	-.18014
.350	.061	-.00170	7.98719	-.17430	-.14326	-.17874	-.17828
.350	2.063	-.00087	7.99169	-.17232	-.14084	-.17911	-.17678
.350	3.894	-.00147	7.99616	-.17128	-.13982	-.18324	-.17433
.350	6.002	-.00211	7.99169	-.16902	-.13802	-.18805	-.17489
.350	8.048	-.00264	7.98721	-.16723	-.13950	-.19051	-.17311
.350	10.027	-.00334	7.99169	-.16902	-.14647	-.18805	-.17631
.349	12.120	-.00303	7.96927	-.17185	-.15675	-.18479	-.18009
.350	14.044	-.00294	7.99168	-.17703	-.17086	-.18946	-.18712
.350	16.491	-.00378	8.00065	-.18390	-.18942	-.19772	-.20006
.349	18.518	-.00163	7.96925	-.19501	-.20897	-.20792	-.21592
.349	20.438	-.00140	7.94682	-.21214	-.23126	-.22364	-.23590

RUN NO. 19/ 0

MACH	ALPHA	BETA	Q (KPA)	CF1	CF2	CF3	CF4
.801	-2.581	-.00723	29.86506	-.20296	-.17562	-.20808	-.19997
.800	-.368	-.00315	29.82535	-.19651	-.17206	-.20442	-.19454
.801	1.918	.00246	29.86415	-.19237	-.16722	-.20481	-.19180
.800	3.949	.00178	29.84170	-.18707	-.16230	-.20483	-.18903
.800	6.184	.00056	29.82856	-.18551	-.16136	-.20693	-.18924
.800	8.385	-.00194	29.83086	-.18625	-.16500	-.20755	-.19061
.801	10.677	-.00354	29.86736	-.18794	-.17323	-.20190	-.19417
.800	12.812	-.00555	29.80367	-.19386	-.18614	-.20255	-.20186
.800	14.888	-.00467	29.84811	-.20533	-.20637	-.21525	-.21757
.800	17.349	-.00215	29.85132	-.22348	-.23724	-.23791	-.24674
.800	19.458	-.00199	29.82795	-.25395	-.26935	-.26304	-.27589
.801	21.735	-.00249	29.87759	-.31457	-.32791	-.31778	-.31293

211

LA51 TABULATED SOURCE DATA

LARC0TPT-604 (LA-51) (B1F1M1) (WAE1SD) (V1)

(PHV003)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AIRCON = .000 BDFLAP = -11.700
 SFD0RK = .000

RUN NO. 18/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.899	-2.667	-.00546	33.96542	-.23590	-.19500	-.26894	-.24999
.899	-.382	-.00246	33.99281	-.24495	-.19308	-.26286	-.23918
.900	1.810	.00515	34.02302	-.23588	-.18707	-.25821	-.23014
.899	3.909	.00566	33.97397	-.23145	-.18038	-.25681	-.22438
.900	6.317	.00227	34.00092	-.23227	-.17406	-.25959	-.22332
.899	8.556	.00175	33.99194	-.23632	-.17312	-.26585	-.22935
.900	10.928	-.00192	34.01361	-.24126	-.18202	-.26550	-.23373
.901	13.092	-.00083	34.05518	-.25203	-.19339	-.27774	-.24691
.900	15.340	-.00192	34.04097	-.27327	-.21946	-.29675	-.27030
.900	17.559	-.00238	34.00946	-.29644	-.25020	-.30907	-.29341
.899	19.746	.00096	34.00025	-.33995	-.29295	-.34212	-.32542
.899	21.969	-.00056	33.96388	-.39309	-.36435	-.39609	-.37786

RUN NO. 17/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.981	-2.566	-.00582	36.92928	-.40435	-.34646	-.37771	-.36612
.981	-.486	.00310	36.96090	-.39106	-.32690	-.36426	-.35768
.981	1.875	.00724	36.93661	-.39180	-.31510	-.35999	-.35392
.981	4.119	.00533	36.94057	-.40053	-.30837	-.37176	-.36009
.981	6.471	.00554	36.93441	-.41547	-.31145	-.39309	-.37335
.981	8.720	.00492	36.93368	-.43047	-.32344	-.42488	-.39259
.981	11.047	.00277	36.92198	-.45737	-.36034	-.45072	-.41829
.980	13.395	.00498	36.92634	-.47727	-.39508	-.47038	-.44241
.981	15.765	.00257	36.95224	-.49455	-.43396	-.50088	-.47289
.979	18.248	.00089	36.89191	-.51252	-.48447	-.50191	-.50584
.980	20.501	-.00192	36.91531	-.52318	-.52171	-.52886	-.53744
.980	22.548	-.01326	36.91010	-.55169	-.54502	-.56753	-.56518

LA51 TABULATED SOURCE DATA

LARC8TPT-684 (LA-51) (B1F1M1) (W1E1SD) (V1)

(PHV003)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPDGRK = .000

RUN NO. 16/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
1.200	-2.648	-.00669	42.20566	-.37409	-.36044	-.39120	-.39646
1.200	-.362	.00154	42.20176	-.36527	-.35593	-.38052	-.38286
1.200	2.052	.00675	42.18413	-.35266	-.34942	-.37534	-.35507
1.200	4.271	.00558	42.20148	-.35088	-.34995	-.37141	-.34652
1.200	6.628	.00540	42.19396	-.35865	-.35858	-.37418	-.36273
1.200	8.927	.00225	42.21493	-.36276	-.35627	-.36928	-.37368
1.200	11.451	-.00093	42.19535	-.37648	-.36646	-.38093	-.39128
1.199	13.710	.00078	42.19024	-.40870	-.40929	-.41489	-.42183
1.200	15.812	-.00507	42.21772	-.41998	-.41901	-.42491	-.43600
1.200	18.165	-.00267	42.19294	-.44290	-.43827	-.44690	-.45130
1.199	20.442	-.00212	42.18819	-.45250	-.45209	-.46585	-.47878
1.200	22.715	.00066	42.19089	-.47849	-.47503	-.49840	-.50585

LARC8TPT-684 (LA-51) (B1F1M1) (W1E1SD) (V1)

(PHV004)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPDGRK = .000

RUN NO. 25/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.350	-2.104	5.02946	7.99164	-.17397	-.15420	-.19180	-.18875
.350	-.135	5.03389	7.98716	-.17359	-.15522	-.19190	-.18745
.350	1.979	5.03280	7.98267	-.17605	-.15296	-.19484	-.18567
.349	4.066	5.02187	7.96925	-.17681	-.15133	-.20129	-.18503
.349	6.181	5.01697	7.96924	-.17634	-.14615	-.20790	-.18503
.350	8.184	4.98336	7.98716	-.17359	-.14959	-.21451	-.18651
.350	10.270	4.95465	7.98271	-.17227	-.15578	-.21321	-.18755
.349	12.354	4.91932	7.96476	-.17265	-.15989	-.20613	-.18608
.349	14.312	4.88097	7.96924	-.17681	-.17015	-.19893	-.18975
.349	16.377	4.83464	7.96028	-.17653	-.17929	-.20010	-.19656
.348	18.406	4.78113	7.92440	-.19063	-.19191	-.20953	-.21213
.348	20.638	4.71900	7.93341	-.21842	-.21722	-.23869	-.22847

LA51 TABULATED SOURCE DATA

(PHV004)

LARCOTPT-684(LA-51) (BIF1M1) (WIE1SD) (V1)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPOBRK = .000

RUN NO. 24/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.001	-2.522	5.13965	29.86876	-1.9784	-.19011	-.21272	-.20555
.000	-.342	5.14743	29.83838	-.19726	-.19644	-.20775	-.20272
.000	1.848	5.14718	29.79194	-.19501	-.19861	-.20211	-.19796
.000	4.097	5.13505	29.83487	-.18908	-.19307	-.19320	-.19066
.000	6.331	5.11382	29.80217	-.17878	-.18420	-.18224	-.18441
.799	8.522	5.08726	29.77617	-.17942	-.18573	-.18162	-.18860
.800	10.767	5.05196	29.79164	-.18212	-.18930	-.18469	-.19381
.800	12.931	5.01586	29.81301	-.18642	-.19395	-.18772	-.19368
.800	15.040	4.97695	29.80508	-.20277	-.20746	-.20178	-.20973
.800	17.465	4.92685	29.83056	-.21725	-.22363	-.21914	-.22669
.800	19.752	4.86554	29.81862	-.24284	-.25553	-.25050	-.25764
.800	21.825	4.79138	29.82093	-.29562	-.31762	-.31544	-.31607

RUN NO. 23/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.900	-2.598	5.17136	34.02565	-.25208	-.20760	-.24205	-.24993
.901	-.400	5.18226	34.04337	-.25106	-.21113	-.24866	-.24892
.901	1.872	5.18290	34.08099	-.24615	-.20815	-.24497	-.24270
.899	4.227	5.17251	33.99630	-.23623	-.19984	-.24403	-.23910
.899	6.510	5.14489	33.99696	-.22858	-.18462	-.27843	-.24495
.900	8.875	5.11437	34.03572	-.23817	-.18099	-.28463	-.23805
.900	10.980	5.08132	34.02193	-.24225	-.19098	-.27723	-.23583
.900	13.323	5.04206	34.00967	-.25142	-.19789	-.27512	-.24442
.900	15.504	5.00124	34.01339	-.27509	-.21771	-.28161	-.25996
.899	17.786	4.95029	33.98644	-.29293	-.25307	-.28980	-.27653
.899	20.010	4.88392	33.96518	-.33835	-.31560	-.33549	-.32028
.899	22.157	4.77795	34.00112	-.39981	-.39257	-.40428	-.38546

LA51 TABULATED SOURCE DATA

(PHV0004)

LARC8TPT-684 (LA-51) (B1F1M1) (M1E1S0) (V1)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 AILRON = .000 BCFLAP = -11.700
 SPCBRK = .000

RUN NO. 22/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.981	-2.614	5.19877	36.93659	-39620	-36171	-40812	-40174
.981	-3.356	5.20953	36.93001	-39561	-35107	-38777	-38854
.980	1.974	5.20642	36.92561	-39216	-34377	-38433	-38174
.980	4.316	5.18877	36.92338	-38802	-33700	-38926	-38005
.980	7.456	5.15086	36.89194	-39744	-32865	-40978	-39056
.980	8.918	5.13101	36.92124	-42016	-33538	-42726	-40743
.979	11.293	5.08691	36.86407	-43915	-35894	-44685	-42686
.979	13.565	5.04722	36.86624	-44922	-38310	-47588	-44098
.979	15.847	5.00076	36.86993	-45238	-40741	-46863	-44576
.980	18.463	4.92949	36.90658	-48482	-47164	-47665	-47048
.980	20.447	4.87334	36.91531	-52741	-52217	-51470	-50564
.979	22.705	4.79461	36.87876	-57104	-57302	-55897	-54833

RUN NO. 21/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
1.199	-2.543	5.22788	42.18994	-38105	-37421	-38982	-39629
1.200	-2.266	5.23000	42.20742	-37718	-36725	-38381	-39002
1.201	2.112	5.22217	42.21864	-36962	-36106	-37519	-38070
1.201	4.488	5.19986	42.21205	-36748	-35449	-37243	-37652
1.200	6.869	5.17279	42.20566	-37690	-36217	-38014	-38004
1.200	9.454	5.13702	42.20463	-39714	-37761	-39991	-39133
1.200	11.435	5.09940	42.20676	-39782	-37536	-39738	-40171
1.200	13.778	5.06674	42.26708	-41170	-39976	-42832	-40905
1.200	16.082	5.01931	42.22115	-42137	-40938	-43764	-41247
1.200	18.435	4.95929	42.21539	-43817	-43072	-45505	-43528
1.199	20.754	4.87914	42.21064	-45910	-45857	-47996	-47938
1.200	22.975	4.81115	42.21048	-48610	-47923	-49534	-48290

215

LA51 TABULATED SOURCE DATA

(PHV005)

LARC8TPT-684 (LA-51) (B1F1M1) (M1E1SD) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = -20.000
 ATLRON = .000 BDFLAP = -11.700
 SPD8RK = .000

RUN NO. 15/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.350	-2.181	-.00505	7.96724	-.16841	-.11815	-.17170	-.17359
.350	-.137	-.00375	8.00068	-.16954	-.11889	-.17565	-.17377
.350	1.907	-.00265	8.00518	-.17133	-.11709	-.18025	-.17321
.350	3.941	-.00278	8.01861	-.17058	-.11443	-.18277	-.17105
.351	5.994	-.00500	8.02309	-.17283	-.11016	-.18501	-.17236
.350	8.028	-.00434	8.01860	-.17387	-.10554	-.18136	-.17246
.350	10.079	-.00532	7.99622	-.17717	-.10958	-.17951	-.17058
.350	12.141	-.00423	8.01860	-.17950	-.11630	-.17761	-.17105
.351	14.193	-.00344	8.02307	-.17518	-.12651	-.18079	-.17751
.350	16.237	-.00377	7.99618	-.16257	-.14053	-.18797	-.19172
.351	18.287	-.00390	8.01857	-.17011	-.14996	-.20481	-.20197
.350	20.360	-.00347	8.01860	-.10279	-.16493	-.21419	-.21884

RUN NO. 14/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.800	-2.725	-.01006	29.84981	-.24362	-.16409	-.24776	-.24928
.800	-.511	-.00158	29.80689	-.23927	-.15927	-.25805	-.25012
.800	1.685	.00200	29.80016	-.23705	-.15565	-.27199	-.25685
.801	3.920	.00112	29.86004	-.23295	-.15086	-.27577	-.25901
.800	6.143	-.00320	29.85072	-.23087	-.14926	-.27244	-.25770
.800	8.379	-.00345	29.82645	-.22877	-.15239	-.26622	-.24845
.800	10.630	-.00416	29.81682	-.22998	-.14765	-.26390	-.23983
.801	12.830	-.00456	29.85363	-.23237	-.14925	-.26095	-.22924
.799	15.039	-.00438	29.79695	-.22329	-.17089	-.22872	-.22220
.799	17.277	-.00394	29.79023	-.20741	-.19182	-.23458	-.23990
.799	19.487	-.00075	29.78410	-.23021	-.22363	-.26468	-.27098
.799	21.685	.00808	29.77737	-.28363	-.29162	-.31020	-.31040

LA51 TABULATED SOURCE DATA

LARC8TPT-684 (LA-51) (B1F1M1) (WE1SD) (V1)

(PHVD035)

PARAMETRIC DATA

BETA = .000 ELEVTR = -20.000
 ATLRON = .000 BDFLAP = -11.700
 SPDRK = .000

RUN NO. 13/ 0

MACH	ALPHA	BETA	Q (KFA)	CP1	CP2	CP3	CP4
.899	-2.832	-.00738	34.00025	-.30743	-.20357	-.29257	-.29747
.899	-.571	.00120	33.97615	-.30754	-.19367	-.28979	-.28916
.900	1.692	.00399	34.02631	-.31085	-.18644	-.30760	-.29448
.899	3.956	.00505	33.99368	-.31170	-.18166	-.31807	-.30272
.899	6.255	.00481	33.98098	-.30816	-.17830	-.32052	-.30195
.900	8.558	.00228	34.01536	-.30165	-.17008	-.32329	-.28939
.899	10.831	-.00223	33.96760	-.29730	-.17407	-.32917	-.27906
.900	13.121	-.00164	34.04184	-.28925	-.18713	-.30713	-.27018
.899	15.337	-.00467	33.97987	-.29420	-.21263	-.32086	-.28991
.899	17.585	-.00482	33.99696	-.29051	-.24362	-.33298	-.30866
.900	19.828	.00312	34.00705	-.32509	-.29372	-.34239	-.35540
.898	21.947	.00136	33.95904	-.37080	-.33277	-.37876	-.39495

RUN NO. 12/ 0

MACH	ALPHA	BETA	Q (KFA)	CP1	CP2	CP3	CP4
.980	-2.657	-.00750	27.65874	-.41627	-.41679	-.43004	-.41139
.980	-.436	-.00044	27.67046	-.39308	-.39733	-.40453	-.39569
.980	1.780	.00239	27.66971	-.37654	-.37413	-.38792	-.38003
.980	4.016	.00260	27.65582	-.36468	-.35677	-.36928	-.36347
.980	6.243	-.00105	27.66094	-.37854	-.35822	-.38216	-.37634
.980	8.460	-.00115	27.66679	-.45499	-.35478	-.42982	-.42462
.979	10.741	-.00010	27.65067	-.48359	-.36299	-.45850	-.45218
.979	12.934	.00034	27.65944	-.50648	-.38975	-.50625	-.47828
.979	15.162	.00112	27.65287	-.51490	-.42034	-.50362	-.49998
.979	17.384	.00002	27.64403	-.52120	-.45357	-.52381	-.51931
.979	19.576	-.00150	27.64991	-.52947	-.49694	-.53615	-.54875
.979	21.780	-.00258	27.64843	-.55113	-.53030	-.56798	-.58870

LA51 TABULATED SOURCE DATA

LARC8TPT-684 (LA-51) (B1F1M1) (MIE18M) (V1)

(PHV005)

PARAMETRIC DATA

BETA = .000 ELEVTR = -20.000
 ATLRON = .000 BDFLAP = -11.700
 SPDRBK = .000

RUN NO. 11/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
1.200	-2.604	-.00852	31.64900	-.40888	-.40330	-.40860	-.41469
1.201	-.333	.00128	31.65993	-.39245	-.38706	-.40372	-.40803
1.201	1.915	.00489	31.65334	-.37854	-.38648	-.40599	-.39772
1.201	4.161	.00259	31.62274	-.38527	-.38809	-.39541	-.39209
1.199	6.401	.00440	31.63366	-.40283	-.38980	-.40766	-.40449
1.199	8.621	.00181	31.63366	-.40973	-.39667	-.41920	-.42682
1.200	10.859	.00019	31.65122	-.41791	-.40423	-.42427	-.44375
1.200	13.102	.00017	31.64353	-.42335	-.40964	-.42899	-.45559
1.200	15.352	.00156	31.63702	-.43495	-.42284	-.44616	-.47453
1.199	17.568	-.00253	31.63607	-.45758	-.45106	-.47101	-.49140
1.199	19.750	-.00075	31.63125	-.47845	-.46923	-.48842	-.52161
1.198	21.936	-.00304	31.61743	-.49994	-.49086	-.50512	-.53047

LARC8TPT-684 (LA-51) (B1F1M1C3) (MIE18M) (V1)

(PHV006)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 ATLRON = .000 BDFLAP = -11.700
 SPDRBK = .000

RUN NO. 40/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.350	-2.070	-.00398	7.99614	-.20614	-.18305	-.21692	-.21359
.350	-.016	-.00138	7.98268	-.20365	-.17913	-.21492	-.21065
.349	2.013	-.00102	7.95580	-.20101	-.17595	-.21186	-.20615
.350	4.072	-.00192	7.99163	-.19730	-.17377	-.21139	-.20336
.350	6.126	-.00303	7.99612	-.19578	-.17273	-.21316	-.20325
.350	8.165	-.00136	8.00956	-.19404	-.17198	-.21421	-.20432
.350	10.218	-.00191	7.98269	-.19799	-.17584	-.21634	-.20688
.350	12.273	-.00176	8.00959	-.20439	-.10135	-.21044	-.21324
.350	14.320	-.00175	7.98716	-.21533	-.16513	-.22276	-.22276
.349	16.400	-.00054	7.94683	-.23441	-.19219	-.24854	-.23901
.349	18.440	.00232	7.93788	-.24938	-.19288	-.27489	-.25395
.349	20.513	.00133	7.96925	-.22998	-.19778	-.29553	-.28172

LA51 TABULATED SOURCE DATA

LARC8TPT-684 (LA-51) (B1F1M1C3) (WIE1SD) (V1)

(PHV006)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 ATLRON = .000 BDFLAP = -11.700
 SPDPRK = .000

RUN NO. 39/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.800	-2.343	-.01101	29.80799	-.21937	-.20562	-.22851	-.22136
.800	-.126	-.00277	29.82815	-.21267	-.19807	-.22307	-.21681
.800	2.084	.00096	29.79926	-.20540	-.19270	-.21683	-.21158
.799	4.298	.00148	29.76623	-.20333	-.19126	-.21604	-.21281
.801	6.541	.00036	29.84449	-.20549	-.19232	-.22220	-.21860
.801	8.736	-.00114	29.84770	-.21027	-.19469	-.23151	-.22437
.800	10.967	-.00088	29.80217	-.22181	-.20301	-.24711	-.23729
.800	13.158	.00164	29.83457	-.23686	-.21652	-.26577	-.25355
.800	15.417	.00048	29.79224	-.25247	-.24450	-.27421	-.27368
.801	17.654	.00594	29.84570	-.28158	-.28118	-.29391	-.30911
.800	19.866	.00547	29.79926	-.31511	-.31584	-.33184	-.34398
.800	22.037	.00867	29.79515	-.36015	-.35630	-.37860	-.38981

RUN NO. 38/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.900	-2.412	-.00831	34.03856	-.22637	-.22369	-.23091	-.23091
.900	-.138	.00192	34.02674	-.21427	-.21351	-.21894	-.21906
.900	2.147	.00295	34.01602	-.20958	-.20927	-.21613	-.21703
.900	4.399	.00559	34.01536	-.20892	-.20409	-.21901	-.21892
.900	6.651	.00468	34.00222	-.22052	-.20340	-.23669	-.23049
.899	8.914	.00413	33.98909	-.23922	-.21154	-.25991	-.24661
.900	11.166	.00714	34.03659	-.26201	-.22778	-.28100	-.28460
.901	13.438	.00733	34.05366	-.28212	-.24706	-.30174	-.28973
.900	15.725	.00478	34.02871	-.29661	-.28141	-.31721	-.32417
.899	18.005	.00644	33.99696	-.32657	-.32030	-.34240	-.35343
.900	20.222	.00797	34.02477	-.39040	-.37506	-.41532	-.40152
.900	22.403	.01315	34.01339	-.44402	-.42350	-.48470	-.45258

LA51 TABULATED SOURCE DATA

LARC8TPT-684 (LA-51) (B1F1W1C3) (W1E1S0) (V1)

(PHV006)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AILRON = .000 BDFLAP = -11.700
 SFDRBK = .000

RUN NO. 37/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.980	-2.403	-.01116	36.88616	-.39213	-.34023	-.42732	-.39202
.980	-.115	.00059	36.87963	-.30940	-.33211	-.41654	-.38268
.980	2.224	.00735	36.88983	-.38181	-.32721	-.40437	-.37318
.980	4.524	.00692	36.87594	-.37506	-.32444	-.39325	-.36756
.979	6.856	.00795	36.85397	-.37977	-.32370	-.39112	-.37021
.979	9.161	.01188	36.84740	-.39445	-.33363	-.39966	-.38424
.980	11.472	.00758	36.88473	-.43508	-.36745	-.44758	-.41735
.979	13.766	.00985	36.83564	-.46768	-.39606	-.47883	-.44587
.979	16.075	.01204	36.84589	-.50020	-.42838	-.51816	-.48139
.981	18.404	.01541	36.91979	-.52471	-.45598	-.54148	-.50984
.979	20.649	.01964	36.85759	-.53952	-.48844	-.56161	-.54111
.981	21.323	.01728	36.91908	-.54292	-.49821	-.56904	-.54887

RUN NO. 36/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
1.200	-2.420	-.01513	42.16872	-.35397	-.34133	-.35654	-.34724
1.200	-.076	-.00354	42.17383	-.34317	-.32826	-.35003	-.33985
1.199	2.269	.00202	42.17158	-.32375	-.31621	-.33661	-.32858
1.200	4.625	.00048	42.17604	-.32110	-.32371	-.32888	-.32594
1.200	6.952	.00388	42.17420	-.34160	-.34004	-.34535	-.34354
1.200	9.285	.00274	42.17670	-.35903	-.35260	-.36017	-.36244
1.200	11.631	.00082	42.17604	-.36674	-.36490	-.37286	-.37913
1.199	13.969	.00305	42.16398	-.39501	-.38853	-.39629	-.39522
1.199	16.301	.00857	42.16332	-.41299	-.40848	-.41612	-.40559
1.199	18.582	.00955	42.20443	-.42244	-.43363	-.44828	-.46594
1.199	20.888	.01099	42.15059	-.44364	-.45842	-.47708	-.49874
1.199	23.202	.00537	42.16851	-.47366	-.47559	-.48474	-.47983

LA51 TABULATED SOURCE DATA
LARC81PT-684(LA-51) (B1F1M1C3) (W1E1S0) (V1)

(PHV007)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
AILRON = .000 BDFLAP = -11.700
SPDBRK = .000

RUN NO. 35/ 0

MACH	ALPHA	BETA	Q (KPA)	CF1	CF2	CF3	CF4
.350	-2.169	-.00320	8.00518	-.17768	-.14762	-.18184	-.18538
.352	-.264	-.00190	8.07686	-.17474	-.14635	-.18025	-.18097
.351	.164	-.00191	8.05444	-.17381	-.14488	-.17935	-.18053
.351	1.965	-.00110	8.03205	-.17288	-.14434	-.18077	-.17962
.351	3.954	-.00094	8.04998	-.17110	-.14356	-.18131	-.17550
.351	5.973	-.00044	8.05894	-.17044	-.14573	-.18205	-.17437
.352	8.056	-.00127	8.07236	-.16923	-.14735	-.18315	-.17548
.351	10.170	-.00271	8.04999	-.17063	-.15707	-.18458	-.17923
.352	12.070	-.00283	8.06342	-.17315	-.16751	-.18708	-.18732
.352	14.187	-.00059	8.06791	-.17913	-.17392	-.19956	-.19933
.352	16.411	-.00015	8.06344	-.19371	-.16800	-.22439	-.21015
.351	18.438	.00198	8.05895	-.20830	-.16806	-.25485	-.22239
.351	20.528	.00332	8.05000	-.22163	-.16825	-.24579	-.22636

RUN NO. 34/ 0

MACH	ALPHA	BETA	Q (KPA)	CF1	CF2	CF3	CF4
.801	-2.623	-.01194	29.87619	-.20011	-.17707	-.20517	-.19775
.802	-.511	-.00593	29.92808	-.19690	-.17366	-.20409	-.19519
.801	1.776	.00057	29.87438	-.19206	-.16754	-.20191	-.19148
.801	4.409	.00123	29.87849	-.18787	-.16426	-.19899	-.18995
.800	6.218	-.00006	29.85343	-.18612	-.16525	-.19775	-.19198
.801	8.387	.00077	29.87789	-.18574	-.16966	-.19698	-.19523
.801	10.685	-.00062	29.88781	-.18518	-.17362	-.19692	-.19756
.800	12.759	-.00101	29.83588	-.19152	-.17816	-.20454	-.20278
.801	15.024	.00003	29.86857	-.19625	-.19318	-.21655	-.21503
.801	17.418	.00317	29.87649	-.21524	-.22124	-.23009	-.23674
.801	19.473	.00676	29.88932	-.24842	-.25653	-.26310	-.27258
.800	21.955	.00390	29.83648	-.29049	-.29955	-.31988	-.32466

LA51 TABULATED SOURCE DATA

(PHV007)

LARC0TPT-684 (LA-51) (B1F1M1C3) (W1E1S0) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 ATLRON = .000 BDFLAP = -11.700
 SPDBRK = .000

RUN NO. 33/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.900	-2.732	-.01245	34.02521	-.25026	-.19642	-.26255	-.24601
.901	-.514	-.00442	34.05562	-.24041	-.19427	-.25680	-.23598
.901	1.799	.00153	34.05409	-.23180	-.18800	-.24720	-.22496
.901	4.193	.00313	34.05125	-.22994	-.18174	-.24435	-.21847
.900	6.324	.00257	34.01120	-.23153	-.18096	-.24563	-.21927
.900	8.627	.00125	34.01821	-.23304	-.18092	-.25807	-.22575
.900	10.869	.00204	34.04272	-.23807	-.18465	-.27336	-.23563
.899	13.139	.00536	33.98185	-.25434	-.19601	-.28713	-.25163
.899	15.403	.00194	33.97943	-.26966	-.22052	-.30397	-.27000
.899	17.690	.00223	33.99214	-.29327	-.25970	-.32101	-.29742
.899	19.952	.00949	33.99740	-.33765	-.31613	-.36820	-.34367
.899	22.369	.01003	33.96233	-.39156	-.37188	-.41033	-.39281

RUN NO. 32/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.979	-2.800	-.01505	36.89848	-.40015	-.34040	-.37446	-.36485
.981	-.492	-.00442	36.95224	-.38477	-.31828	-.36494	-.35933
.981	1.839	.00222	36.95588	-.38508	-.30896	-.36057	-.35364
.981	4.188	.00436	36.92054	-.38623	-.30129	-.37157	-.35404
.980	6.581	.00623	36.88761	-.39353	-.30096	-.39476	-.36414
.980	8.816	.00323	36.87807	-.40355	-.30868	-.42098	-.38065
.980	11.230	.00492	36.88466	-.42231	-.33510	-.45062	-.40416
.979	13.816	.00697	36.86341	-.45319	-.37250	-.48565	-.43728
.980	15.916	.01249	36.89923	-.46785	-.39438	-.49050	-.44907
.980	18.049	.01255	36.89561	-.47813	-.41336	-.48699	-.45739
.980	20.335	.02009	36.91386	-.50270	-.44414	-.49827	-.48282
.980	22.936	.01347	36.93364	-.52296	-.48201	-.53541	-.53122

LA51 TABULATED SOURCE DATA
 LARC8TPT-684 (LA-51) (BIF1MIC3) (WIE1SD) (V1)

(PHV007)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 ALLRON = .000 BOFLAP = -11.700
 SPDGRK = .000

RUN NO. 31/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
1.200	-2.747	-.01805	42.21363	-.37334	-.35952	-.38906	-.39411
1.200	-.395	-.00431	42.19322	-.36553	-.35440	-.37645	-.38276
1.200	1.928	.00155	42.19935	-.35171	-.34652	-.36141	-.35732
1.201	4.332	.00167	42.21382	-.34845	-.34069	-.35342	-.35700
1.200	6.665	.00278	42.20426	-.35350	-.34572	-.36542	-.35723
1.200	9.059	.00381	42.21633	-.36068	-.34630	-.37125	-.36368
1.200	11.297	.00366	42.20639	-.36712	-.35404	-.37190	-.37322
1.200	13.790	.00213	42.21232	-.37625	-.36827	-.38109	-.38784
1.201	16.031	.00750	42.26670	-.39735	-.39728	-.40626	-.41634
1.200	18.444	.01108	42.23228	-.40931	-.42019	-.42533	-.43843
1.199	20.601	.01286	42.20304	-.40962	-.42646	-.43920	-.44748
1.200	22.902	.01351	42.20676	-.43668	-.44194	-.47005	-.45426

LARC8TPT-684 (LA-51) (BIF1MIC3) (WIE1SD) (V1)

(PHV008)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 ALLRON = .000 BOFLAP = -11.700
 SPDGRK = .000

RUN NO. 30/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.351	-2.128	5.03114	8.05444	-.17638	-.15582	-.19407	-.19173
.350	-.008	5.03578	8.00965	-.17312	-.15326	-.19278	-.18809
.350	1.862	5.03272	8.00516	-.17368	-.15335	-.19524	-.18491
.350	4.032	5.02165	8.01413	-.17678	-.15331	-.19737	-.18424
.350	4.847	5.01621	8.01861	-.17950	-.15182	-.19679	-.18461
.350	8.191	4.98336	8.01412	-.18101	-.15471	-.20394	-.18424
.350	11.075	4.93899	8.00518	-.17321	-.16706	-.21027	-.19008
.350	12.258	4.91882	8.00068	-.17472	-.17559	-.20992	-.19816
.351	14.401	4.87564	8.02310	-.19114	-.18539	-.20559	-.19949
.350	16.564	4.82537	8.00518	-.20144	-.18439	-.22155	-.20978
.351	18.555	4.77296	8.04551	-.21496	-.17649	-.24477	-.21669
.350	20.591	4.71528	7.99172	-.23194	-.18798	-.25392	-.22517

LA51 TABULATED SOURCE DATA

(PHV000)

LARC8TPT-684(LA-51) (B1F1M1C3) (W1E180) (V1)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPOBRK = .000

RUN NO. 29/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.800	-2.575	5.14541	29.84661	-1.9986	-1.8910	-2.1085	-2.0826
.800	-.304	5.15066	29.83377	-1.9552	-1.9546	-2.0437	-1.9928
.801	1.911	5.14734	29.88128	-1.9436	-1.9920	-2.0043	-1.9823
.800	4.412	5.12928	29.83257	-1.9010	-1.9308	-1.9619	-1.9211
.801	6.486	5.10958	29.85853	-1.8554	-1.8854	-1.8974	-1.8894
.800	8.906	5.07524	29.82675	-1.8205	-1.8733	-1.8916	-1.9428
.800	10.808	5.04565	29.83728	-1.8514	-1.8702	-1.9212	-1.9938
.800	13.328	4.99718	29.82875	-1.9745	-1.8795	-1.9886	-2.0838
.800	15.239	4.96146	29.82996	-2.0539	-1.9649	-2.0364	-2.1555
.800	17.553	4.90703	29.85423	-2.2984	-2.2598	-2.2717	-2.3715
.800	19.788	4.85537	29.80980	-2.6844	-2.6378	-2.6546	-2.8033
.800	22.038	4.79013	29.81772	-3.0727	-2.9653	-3.0576	-3.1629

RUN NO. 28/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.900	-2.654	5.17770	34.03769	-2.5088	-2.1139	-2.5445	-2.5453
.900	-.283	5.18352	34.03353	-2.4295	-2.1108	-2.4365	-2.4386
.900	.105	5.18551	34.01821	-2.4117	-2.1062	-2.4155	-2.4209
.901	2.198	5.18124	34.04578	-2.3821	-2.1023	-2.4169	-2.3980
.901	4.473	5.16491	34.06131	-2.2970	-2.0078	-2.4533	-2.3660
.901	6.778	5.13630	34.05562	-2.2720	-1.8793	-2.6790	-2.3344
.900	8.986	5.10763	34.01690	-2.3664	-1.8892	-2.6931	-2.3150
.900	11.207	5.07249	34.00464	-2.4980	-1.9306	-2.6509	-2.4141
.899	13.547	5.03053	33.99609	-2.6005	-2.0249	-2.6317	-2.4821
.900	15.631	4.99147	34.00464	-2.7439	-2.2592	-2.8058	-2.6218
.900	18.009	4.94012	34.00879	-3.0005	-2.6933	-3.0200	-2.8999
.899	20.404	4.87722	33.99257	-3.3609	-3.0697	-3.5448	-3.2770
.900	22.438	4.80245	34.00222	-3.8141	-3.4018	-4.0659	-3.7567

LA51 TABULATED SOURCE DATA

(PHV008)

LARC8TPT-684 (LA-51) (B1F1M1C3) (M1E1S0) (V1)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 AILRON = .000 BDELAP = -11.700
 SPDBRK = .000

RUN NO. 27/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.980	-2.594	5.20837	36.91684	-40294	-35967	-39468	-39630
.980	-.331	5.21031	36.89709	-39203	-34197	-38378	-38104
.981	.119	5.21130	36.94130	-39662	-34691	-38726	-38665
.981	2.702	5.19983	36.92198	-38775	-33967	-38236	-37708
.981	4.728	5.18331	36.93951	-38833	-33996	-38854	-37857
.980	6.933	5.15377	36.90078	-39380	-33683	-40196	-38854
.980	9.266	5.11626	36.91025	-40899	-33480	-43078	-38453
.980	11.792	5.06576	36.91539	-42868	-33563	-46328	-40030
.980	14.716	5.01134	36.89411	-44191	-39558	-47803	-42024
.980	16.964	4.96154	36.89854	-45774	-42609	-47009	-43771
.979	18.679	4.90888	36.87873	-45877	-41845	-49662	-44454
.980	20.714	4.86034	36.89634	-47449	-43168	-51119	-45350
.980	22.965	4.78757	36.91753	-53018	-47008	-53234	-47133
							-51008

RUN NO. 26/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
1.200	-2.583	5.23489	42.23395	-37814	-37211	-38556	-39279
1.200	-.105	5.23324	42.21048	-37643	-36553	-38369	-38950
1.201	2.137	5.22078	42.21038	-37016	-36151	-37520	-38164
1.200	4.557	5.19809	42.20695	-36578	-35466	-37484	-37354
1.200	6.857	5.16638	42.20389	-37001	-35638	-38049	-37891
1.200	9.303	5.13037	42.21772	-38220	-37136	-38446	-38902
1.200	10.458	5.10945	42.22737	-38715	-37567	-39118	-39378
1.201	13.653	5.04888	42.23209	-39032	-39223	-40369	-41099
1.200	16.086	4.99467	42.21493	-40421	-41760	-43068	-440331
1.200	18.676	4.91809	42.22022	-41210	-41746	-41778	-40291
1.199	20.978	4.84748	42.18680	-42187	-40960	-43976	-42939
1.200	23.338	4.77733	42.20194	-46398	-44388	-48760	-46524

LA51 TABULATED SOURCE DATA

LARC8TPY-684 (LA-51) (B1F1HMC4) (MIE1S0) (V1)

(PHV000)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 ATLRON = .000 BDFLAP = -11.700
 SPCBRK = .000

RUN NO. 83/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.901	-2.368	-.01169	34.06109	-.22426	-.22260	-.22531	-.23406
.900	-.089	-.00120	34.02434	-.21575	-.21447	-.21793	-.22614
.900	2.178	.00279	34.03615	-.21026	-.20877	-.21421	-.22176
.900	4.455	.00421	34.02915	-.20853	-.20452	-.21414	-.22247
.901	6.727	.00475	34.05037	-.21681	-.20285	-.22704	-.23148
.900	9.003	.00383	34.01054	-.23087	-.21632	-.25428	-.25075
.900	11.251	.00408	34.01449	-.25213	-.22434	-.26785	-.26330
.901	13.556	.00864	34.04709	-.26981	-.24208	-.28527	-.28280
.900	15.865	.00897	34.02718	-.28037	-.27120	-.29185	-.30945
.900	18.118	.00485	34.02215	-.31129	-.30850	-.33975	-.34206
.899	20.350	.00754	33.98842	-.36501	-.36695	-.41953	-.40550
.900	22.494	.01930	34.00595	-.44733	-.43292	-.46886	-.46769

RUN NO. 82/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.980	-2.369	-.01234	36.89121	-.39393	-.34364	-.41657	-.38924
.981	-.056	-.00144	36.93367	-.38842	-.33537	-.40727	-.37969
.981	2.278	.00417	36.94202	-.37876	-.33083	-.39496	-.37086
.980	4.613	.00492	36.88983	-.37243	-.32497	-.38551	-.36372
.980	6.948	.00484	36.88466	-.37351	-.32675	-.38455	-.36470
.980	9.274	.00837	36.87442	-.38837	-.33462	-.39654	-.37710
.980	11.581	.00560	36.87882	-.40898	-.35749	-.41294	-.39508
.979	13.919	.00699	36.87222	-.43383	-.38294	-.43541	-.41569
.980	16.263	.00845	36.90073	-.45992	-.40834	-.47511	-.44640
.980	18.579	.01015	36.90950	-.49575	-.44159	-.51293	-.47989
.980	20.836	.01328	36.92704	-.52040	-.46530	-.55001	-.51460
.980	21.411	.01388	36.89423	-.53594	-.47986	-.55551	-.52923

LA51 TABULATED SOURCE DATA

LARC8TPT-684 (LA-51) (B1F1M1C4) (MIE1SD) (V1)

(PHV009)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AILRON = .000 BDFLAP = -11.700
 SPD8RK = .000

RUN NO. 83/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.349	-2.066	-.00371	7.95577	-.20880	-.18269	-.22191	-.22302
.350	-.008	-.00322	7.97821	-.20445	-.17937	-.21800	-.21722
.350	2.039	-.00119	8.00959	-.19990	-.17540	-.21434	-.21216
.349	4.083	-.00174	7.97373	-.19936	-.17476	-.21576	-.20933
.349	6.157	-.00193	7.97374	-.19842	-.17476	-.21482	-.20886
.350	8.197	-.00304	7.97824	-.19737	-.17607	-.21564	-.21063
.350	10.254	-.00365	7.97823	-.20067	-.18078	-.21941	-.21345
.350	12.299	-.00302	7.97823	-.20397	-.19206	-.22035	-.22287
.350	14.371	-.00152	7.98719	-.21082	-.20640	-.22717	-.23626
.349	16.437	-.00015	7.96926	-.22074	-.22285	-.24372	-.24904
.349	18.489	.00021	7.96926	-.24531	-.23321	-.26448	-.26459
.349	20.546	.00061	7.96926	-.24815	-.24497	-.30648	-.28768

RUN NO. 84/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.800	-2.309	-.01201	29.81973	-.21389	-.20185	-.22335	-.22431
.800	-.083	-.00290	29.83989	-.20341	-.19746	-.21061	-.21636
.800	2.132	-.00097	29.84279	-.20036	-.19317	-.20832	-.21458
.800	4.380	.00229	29.84340	-.19948	-.19140	-.20907	-.21559
.800	6.595	.00252	29.84630	-.20552	-.19315	-.21901	-.22161
.799	8.841	-.00067	29.79374	-.21507	-.20025	-.23337	-.23028
.799	11.046	-.00002	29.79143	-.22254	-.21008	-.24058	-.23975
.800	13.265	.00123	29.83638	-.23335	-.21947	-.25323	-.25025
.800	15.500	.00541	29.83989	-.25288	-.24873	-.26568	-.27753
.800	17.772	.00857	29.81622	-.27340	-.27947	-.28896	-.31036
.800	19.997	.00972	29.83407	-.30834	-.31074	-.32535	-.34405
.800	22.168	.00126	29.81622	-.36333	-.36512	-.39440	-.40773

LA51 TABULATED SOURCE DATA

(PHV009)

LARC8TPT-684 (LA-51) (B1F1M1C4) (MIE1SD) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AILRON = .000 BDFLAP = -11.700
 SPDBRK = .000

RUN NO. 81/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
1.200	-2.387	-.01707	42.19081	-.36054	-.34223	-.35908	-.35138
1.200	-.021	-.00595	42.19768	-.34895	-.32910	-.35482	-.34410
1.200	2.315	.00287	42.18877	-.33694	-.32068	-.34692	-.33532
1.200	4.702	.00132	42.20018	-.32148	-.32067	-.33006	-.32810
1.201	7.046	.00156	42.23925	-.32828	-.33269	-.33399	-.33328
1.200	9.398	.00128	42.19600	-.35298	-.35159	-.35447	-.36182
1.199	11.743	-.00020	42.17817	-.36135	-.36206	-.36907	-.37258
1.200	14.111	.00230	42.20639	-.37533	-.37723	-.38740	-.39800
1.200	16.446	.00761	42.19126	-.39613	-.39713	-.40228	-.41198
1.200	18.771	.01130	42.21363	-.42455	-.42188	-.44251	-.43924
1.200	21.095	.01342	42.19220	-.45941	-.45801	-.46948	-.46467
1.200	22.212	.01225	42.19183	-.47204	-.47779	-.48326	-.48021

LARC8TPT-684 (LA-51) (B1F1M1C4) (MIE1SD) (V1)

(PHV010)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPDBRK = .000

RUN NO. 90/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.350	-2.158	-.00380	8.00071	-.17658	-.14795	-.18307	-.18447
.350	-.076	-.00231	8.01865	-.17432	-.14809	-.18361	-.18266
.351	.127	-.00318	8.03207	-.17403	-.14692	-.18237	-.18189
.351	1.950	-.00047	8.02760	-.17272	-.14373	-.18200	-.17872
.350	4.011	.00053	7.99623	-.16961	-.14381	-.18270	-.17518
.350	6.115	-.00076	8.00520	-.16943	-.14553	-.18391	-.17498
.350	8.208	-.00015	8.00821	-.16896	-.14834	-.18297	-.17498
.350	10.417	-.00153	7.99624	-.17244	-.15835	-.18411	-.18081
.350	12.251	-.00085	8.00968	-.18015	-.17447	-.18756	-.19130
.350	14.144	-.00072	7.99175	-.19751	-.19222	-.19974	-.20206
.350	16.428	.00110	7.98279	-.21660	-.20605	-.21801	-.21640
.349	18.527	.00060	7.97302	-.22345	-.21569	-.24499	-.25196
.350	20.475	.00174	7.97030	-.23701	-.22121	-.25381	-.25747

LA51 TABULATED SOURCE DATA

LARC8PT-884 (LA-51) (B1F1M1C4) (W1E1S0) (V1)

(PHV010)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AILRON = .000 BDELAP = -11.700
 SPCBRK = .000

RUN NO. 89/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.800	-2.475	-.01185	29.84139	-.19822	-.17684	-.20492	-.19829
.800	-.292	-.00410	29.84981	-.19527	-.17252	-.20424	-.19497
.800	1.812	-.00094	29.85423	-.19159	-.16773	-.20345	-.19180
.800	4.190	.00033	29.85102	-.18832	-.16586	-.20120	-.19043
.800	6.337	-.00045	29.84751	-.18557	-.16701	-.19820	-.19045
.801	8.624	.00004	29.86065	-.18625	-.17360	-.19850	-.19390
.800	10.839	.00001	29.85072	-.18580	-.18031	-.19541	-.19748
.800	13.121	.00254	29.84109	-.18863	-.18664	-.19925	-.20408
.800	15.275	.00552	29.82535	-.20046	-.20106	-.20741	-.21803
.801	17.855	.00757	29.86736	-.22568	-.22880	-.23095	-.24303
.801	19.690	.00785	29.85363	-.25138	-.25603	-.26052	-.28201
.799	21.932	.00578	29.78590	-.29376	-.29736	-.31081	-.32774

RUN NO. 88/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.899	-2.644	-.01469	33.98054	-.24407	-.19984	-.26125	-.24328
.899	-.370	-.00469	33.99194	-.23590	-.19536	-.25309	-.23414
.899	1.966	.00194	33.99566	-.23056	-.18828	-.24720	-.22749
.900	4.337	.00048	33.99522	-.22613	-.18321	-.24422	-.22020
.898	6.587	.00149	33.94087	-.22649	-.18229	-.24915	-.22110
.899	8.580	.00176	33.98842	-.22695	-.18402	-.25256	-.22279
.899	11.114	.00051	33.99127	-.23890	-.18985	-.25863	-.23183
.900	13.618	.00288	34.01690	-.25942	-.20140	-.26440	-.24457
.898	15.682	.00777	33.95203	-.26956	-.22044	-.26723	-.25466
.900	17.956	.00607	34.00705	-.29050	-.24744	-.30075	-.28816
.898	21.039	.01323	33.94676	-.34515	-.32586	-.37196	-.35637
.900	22.425	.02183	34.03046	-.38702	-.36760	-.40023	-.39126

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LA51 TABULATED SOURCE DATA

LARC8TPT-684 (LA-51) (B1F1N1C4) (W1E1S0) (V1)

(PHV010)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPDBRK = .000

RUN NO. 87/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.979	-2.454	-.00946	27.63311	-.36673	-.32954	-.36515	-.35849
.980	-.213	.00016	27.65072	-.36772	-.30833	-.35814	-.34946
.980	2.018	.00290	27.66903	-.37416	-.30557	-.36186	-.34911
.979	4.283	.00344	27.63532	-.37419	-.30022	-.36922	-.34774
.979	6.519	.00439	27.63900	-.38113	-.30810	-.37902	-.35413
.979	8.755	.00310	27.63827	-.39137	-.31897	-.39360	-.36624
.979	11.013	.00523	27.63015	-.40012	-.33752	-.40936	-.38198
.978	13.242	.00723	27.60450	-.42430	-.35466	-.42703	-.39796
.980	15.477	.00738	27.67554	-.43640	-.37759	-.44807	-.41716
.980	17.726	.01156	27.64487	-.45019	-.40021	-.45233	-.43129
.980	19.951	.01141	27.67046	-.47765	-.41852	-.46860	-.45632
.979	22.102	.01195	27.63242	-.50114	-.45337	-.50948	-.49950

RUN NO. 86/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
1.199	-2.411	-.01118	31.62291	-.36766	-.35582	-.38002	-.38444
1.200	-.154	-.00178	31.62700	-.36025	-.35141	-.36858	-.37586
1.200	2.095	.00108	31.63248	-.34710	-.34187	-.35390	-.35538
1.200	4.353	.00219	31.63007	-.34508	-.34046	-.34927	-.35361
1.200	6.623	.00149	31.62524	-.34761	-.34155	-.34906	-.35850
1.200	8.873	.00138	31.63702	-.35431	-.34644	-.35622	-.36377
1.199	11.142	.00244	31.61669	-.36343	-.35979	-.36581	-.37476
1.199	13.399	.00246	31.61573	-.37499	-.37284	-.37854	-.38665
1.199	15.630	.00621	31.62092	-.38443	-.38343	-.39177	-.40081
1.198	17.869	.00927	31.61265	-.38945	-.39922	-.40464	-.40832
1.199	20.098	.01169	31.61742	-.41357	-.41814	-.43884	-.42013
1.199	22.325	.01399	31.61953	-.44509	-.43660	-.44783	-.43636

LA51 TABULATED SOURCE DATA

LARC8TPT-684 (LA-51) (B1FIMIC4) (WIE1SD) (V1)

(PHVD11)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPD8RK = .000

RUN NO. 125/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.351	-2.074	5.03212	8.05001	-17590	-15625	-19470	-19303
.351	-0.035	5.03512	8.05894	-17291	-15701	-19449	-18816
.351	.182	5.03631	8.03207	-17160	-15799	-19466	-18877
.352	2.136	5.03298	8.08583	-17328	-15604	-19525	-18847
.351	4.226	5.02211	8.05448	-17815	-15337	-19834	-18733
.351	6.236	5.00415	8.05448	-18189	-15244	-20254	-18686
.351	8.287	4.98157	8.05898	-18366	-15422	-20430	-18629
.352	10.298	4.95220	8.06792	-17926	-16196	-20781	-18935
.351	12.416	4.91588	8.04104	-17328	-18442	-21364	-19932
.352	14.516	4.87308	8.06344	-19338	-20207	-21492	-21229
.351	16.532	4.82551	8.03207	-20820	-21172	-21340	-22106
.351	18.911	4.76181	8.03656	-22075	-21394	-23389	-23076
.350	20.676	4.70991	8.01866	-24615	-22143	-26350	-25938

RUN NO. 124/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.800	-2.584	5.14748	29.80247	-19895	-18870	-21451	-21019
.801	-1.154	5.15155	29.86996	-19339	-19334	-20600	-20309
.800	1.915	5.14593	29.79224	-19383	-19330	-20309	-20067
.799	4.142	5.13145	29.73872	-19060	-19071	-19937	-19759
.799	6.403	5.10740	29.76533	-18563	-18198	-20060	-19970
.800	8.663	5.07702	29.82675	-18237	-18328	-19505	-19756
.800	11.037	5.03869	29.84721	-18542	-19272	-19593	-20045
.800	13.250	4.99810	29.84079	-19493	-19565	-20139	-20326
.800	15.454	4.95470	29.83407	-20899	-20411	-21115	-22157
.800	17.684	4.90517	29.81481	-22934	-22626	-22957	-24464
.800	20.041	4.84965	29.84139	-27374	-26053	-27982	-29103
.799	22.310	4.78046	29.75839	-31511	-29362	-32494	-32425

LA51 TABULATED SOURCE DATA

LARC8TPT-684 (LA-51) (B1F1M1C4) (MIE1SD) (V1)

(PHV011)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 ATLRON = .000 BDFLAP = -11.700
 SPDRK = .000

RUN NO. 123/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.900	-2.653	5.17919	34.01864	-.24927	-.20942	-.25327	-.25250
.899	-.338	5.18395	34.00353	-.24206	-.21139	-.24176	-.24476
.900	1.962	5.17942	34.04316	-.23780	-.20894	-.23762	-.24006
.899	4.268	5.16553	33.99696	-.23435	-.20392	-.24026	-.23839
.900	6.578	5.13696	34.03528	-.23243	-.19410	-.26586	-.24442
.900	8.881	5.10452	34.03703	-.22976	-.19145	-.27182	-.23679
.899	11.140	5.06491	33.99170	-.24492	-.19578	-.25801	-.23865
.898	13.436	5.02380	33.94962	-.25477	-.21437	-.26542	-.24946
.899	15.723	4.97870	33.98755	-.26935	-.24019	-.28218	-.26898
.900	18.031	4.92701	34.02149	-.29224	-.26522	-.29982	-.28749
.900	20.251	4.87317	34.01864	-.33171	-.29944	-.33900	-.32132
.900	22.431	4.79433	34.01295	-.38562	-.34693	-.39360	-.37706

RUN NO. 122/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.979	-2.482	5.15447	27.63824	-.39064	-.34801	-.39447	-.38987
.980	-.231	5.15787	27.66466	-.39519	-.34227	-.38704	-.38300
.980	2.024	5.15086	27.66171	-.38509	-.33574	-.38322	-.37551
.980	4.286	5.13372	27.68024	-.38181	-.33301	-.38375	-.37319
.980	6.551	5.10858	27.64927	-.38682	-.33404	-.38902	-.37695
.980	8.801	5.07364	27.65072	-.40082	-.33971	-.40368	-.38942
.979	11.073	5.03290	27.63827	-.41060	-.34331	-.42475	-.39930
.979	13.295	4.98900	27.63091	-.43244	-.36136	-.44124	-.41291
.979	15.526	4.94109	27.65067	-.44162	-.39214	-.45027	-.42602
.979	17.786	4.88509	27.62506	-.45147	-.41698	-.46787	-.44454
.979	20.005	4.82097	27.65139	-.47241	-.42211	-.47746	-.46066
.980	22.196	4.75193	27.65000	-.50935	-.44301	-.49897	-.48458

LA51 TABULATED SOURCE DATA

LARC8TPT-684(LA-51) (B1F1M1C4) (MIE1S0) (V1)

(PHV011)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPDBRK = .000

RUN NO. 121/ 0

MACH	ALPHA	BETA	Q(KPA)	CP1	CP2	CP3	CP4
1.199	-2.433	5.17385	31.61808	-37594	-37017	-38160	-39201
1.199	-.171	5.17341	31.62635	-37306	-36351	-37967	-38700
1.200	2.109	5.16234	31.62803	-36685	-35089	-37240	-37844
1.200	4.382	5.14145	31.62664	-36319	-35334	-36840	-37396
1.200	6.655	5.11545	31.63666	-36668	-36082	-37387	-37954
1.200	8.920	5.08320	31.62942	-37885	-37058	-38141	-38897
1.199	11.180	5.04274	31.61808	-37903	-37100	-39278	-39582
1.199	13.438	4.99895	31.61881	-38964	-37468	-39742	-40437
1.200	15.698	4.94760	31.64602	-41040	-42122	-40292	-39965
1.199	17.946	4.88448	31.61911	-41887	-42693	-41447	-41236
1.200	20.173	4.81561	31.62496	-42017	-43546	-43528	-43433
1.199	22.415	4.73936	31.62569	-44555	-41516	-46859	-45358

LARC8TPT-684(LA-51) (B1F1M1) (MIE1S1) (V1)

(PHV012)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AILRON = .000 BDFLAP = -11.700
 SPDBRK = .000

RUN NO. 135/ 0

MACH	ALPHA	BETA	Q(KPA)	CP1	CP2	CP3	CP4
.350	-2.142	-.00336	8.00962	-20573	-18445	-21872	-21723
.350	-.004	-.00289	7.98713	-20159	-17792	-21416	-21267
.350	2.468	.00121	8.00513	-19833	-17426	-21275	-20751
.350	4.426	-.00114	8.00961	-19587	-17229	-21357	-20459
.350	6.066	-.00105	8.01858	-19425	-17164	-21614	-20249
.350	8.169	-.00065	8.00962	-19165	-16996	-21872	-20178
.351	10.233	-.00222	8.02306	-19321	-17201	-22070	-20378
.350	12.320	-.00230	7.99617	-19573	-18007	-21908	-20962
.350	14.345	-.00181	8.01411	-19999	-19276	-21954	-21898
.351	16.526	-.00076	8.01857	-20879	-21133	-23159	-23617
.350	18.664	-.00024	7.99169	-22831	-24201	-25398	-26416
.349	21.810	.00218	7.96476	-26401	-27103	-28547	-29753

LA51 TABULATED SOURCE DATA

(PHV012)

LARCOTPT-684(LA-51) (B1F1M1) (WIE1S1) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 ATLRON = .000 BDFLAP = -11.700
 SPDBRK = .000

RUN NO. 134/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.800	-2.480	-.00793	29.80829	-.21772	-.20413	-.22764	-.22299
.800	-.048	.00102	29.80598	-.21230	-.19547	-.22387	-.21734
.800	2.007	.00302	29.83808	-.20794	-.19001	-.22139	-.21348
.799	4.290	.00139	29.78902	-.20446	-.18564	-.22159	-.21141
.800	7.037	.00306	29.79986	-.20515	-.18746	-.22504	-.21209
.800	8.681	.00219	29.80217	-.20665	-.19085	-.22642	-.21359
.800	11.021	.00058	29.83547	-.21287	-.20408	-.22694	-.22355
.800	13.182	.00222	29.83928	-.22343	-.22275	-.22817	-.24212
.800	15.454	.00498	29.81913	-.24640	-.25328	-.25715	-.27095
.800	17.859	.00513	29.83928	-.28204	-.29240	-.29487	-.31514
.799	20.102	.00647	29.79695	-.31497	-.34091	-.33697	-.36213
.799	22.456	.01416	29.77065	-.37183	-.39264	-.38846	-.41181

RUN NO. 133/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.901	-2.448	-.00714	34.06853	-.23109	-.21903	-.24048	-.23680
.901	-.062	.00300	34.06655	-.21564	-.21179	-.22230	-.22426
.901	2.386	.00572	34.05934	-.21547	-.20304	-.22588	-.22222
.900	4.328	.00704	34.03440	-.21065	-.19846	-.22306	-.21973
.900	6.640	.00667	34.03659	-.22135	-.19976	-.23474	-.22534
.900	8.887	.00786	34.02521	-.23690	-.21645	-.25259	-.24096
.900	11.253	.00494	34.02105	-.25141	-.23133	-.26476	-.26171
.901	13.530	.00827	34.06262	-.26160	-.26084	-.27028	-.28275
.900	15.792	.01107	34.02434	-.29461	-.30119	-.30138	-.31426
.901	18.194	.01294	34.05366	-.31501	-.33227	-.32880	-.35804
.899	21.092	.00583	34.00156	-.40740	-.40953	-.41213	-.43159
.900	22.290	.00890	34.01536	-.44140	-.43997	-.44762	-.45711

LA51 TABULATED SOURCE DATA

LARC8PT-684 (LA-51) (B1F1M1) (WIE1S1) (V1)

(PHVD12)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AILRON = .000 BDFLAP = -11.700
 SPDPRK = .000

RUN NO. 132/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.979	-2.513	-.00790	36.88096	-.39244	-.34236	-.42142	-.39203
.981	-.129	.00327	36.92274	-.39080	-.33682	-.40947	-.38297
.980	1.959	.00751	36.90953	-.38497	-.33100	-.40009	-.37624
.980	4.545	.00804	36.90588	-.38337	-.32971	-.39535	-.37425
.980	6.778	.00854	36.90221	-.39112	-.33224	-.39861	-.37791
.980	9.321	.01012	36.92634	-.40318	-.34186	-.40241	-.39075
.980	11.343	.00931	36.92706	-.42659	-.37480	-.42853	-.41430
.980	13.704	.00493	36.89196	-.44500	-.41328	-.45211	-.43611
.981	16.187	.00738	36.92126	-.47570	-.45736	-.49313	-.48410
.980	18.465	.00834	36.88904	-.49937	-.50740	-.51128	-.50689
.980	20.815	.01212	36.94750	-.54924	-.55956	-.56501	-.56208
.980	21.907	.01036	36.91247	-.58610	-.58502	-.60631	-.60484

RUN NO. 131/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
1.200	-2.434	-.01244	42.20668	-.35594	-.34553	-.35632	-.35072
1.200	-.016	-.00282	42.22560	-.34585	-.33318	-.35051	-.34537
1.201	2.287	.00154	42.21280	-.33173	-.31460	-.34388	-.33538
1.201	4.445	.00093	42.21382	-.33139	-.31754	-.33972	-.32953
1.200	7.060	.00269	42.19907	-.34087	-.32857	-.34055	-.33445
1.200	9.265	.00081	42.19879	-.35332	-.34274	-.34756	-.35175
1.200	11.720	.00151	42.23711	-.36010	-.35987	-.36553	-.37316
1.200	14.098	.00080	42.23293	-.37773	-.38327	-.38180	-.38497
1.200	16.388	.00271	42.22059	-.41873	-.41986	-.42586	-.41920
1.200	18.645	.00593	42.20083	-.46939	-.46460	-.48400	-.47238
1.200	20.959	.00839	42.18607	-.49665	-.49813	-.51141	-.50134
1.200	23.094	.00709	42.20333	-.51270	-.50959	-.52947	-.52134

LA51 TABULATED SOURCE DATA

(PHVD13)

LARC8TPT-684 (LA-51) (BIF1M1) (MIE1S1) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 ATLRON = .000 BDFLAP = -11.700
 SPD8RK = .000

RUN NO. 140/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.350	-2.138	-.00345	7.98722	-.17287	-.14840	-.18031	-.18239
.350	-.094	-.00409	8.01859	-.17127	-.14363	-.17774	-.17748
.350	.242	-.00259	8.01410	-.17089	-.14465	-.17784	-.17851
.351	2.135	-.00032	8.01857	-.17033	-.14270	-.17868	-.17561
.350	4.174	-.00136	7.98721	-.16910	-.14043	-.18125	-.17300
.350	6.017	-.00148	8.01861	-.16752	-.13896	-.18430	-.17140
.350	8.230	-.00331	8.00515	-.16591	-.13826	-.18835	-.17449
.350	10.253	-.00301	8.01859	-.16517	-.14317	-.18617	-.17514
.350	12.553	-.00353	7.99171	-.16995	-.15535	-.18396	-.17806
.350	14.419	-.00266	7.99171	-.17466	-.16659	-.18396	-.18369
.350	16.372	-.00159	7.99620	-.17832	-.18149	-.18997	-.19250
.349	18.527	-.00021	7.94240	-.18614	-.20391	-.20069	-.21031
.349	21.742	.00145	7.95138	-.22330	-.23617	-.23636	-.21998

RUN NO. 139/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.800	-2.548	-.01089	29.86246	-.20097	-.17883	-.20826	-.20082
.801	-.232	-.00245	29.87057	-.19677	-.17365	-.20607	-.19763
.800	1.958	.00073	29.83207	-.19057	-.16782	-.20279	-.19220
.800	3.975	.00069	29.84751	-.18658	-.16261	-.20332	-.18923
.800	6.258	-.00063	29.84460	-.18369	-.16099	-.20485	-.18836
.800	8.427	-.00143	29.82795	-.18303	-.16232	-.20483	-.18808
.800	10.694	-.00397	29.83849	-.18549	-.16993	-.19998	-.19091
.800	13.125	-.00382	29.84521	-.18747	-.18344	-.19503	-.19665
.800	15.390	-.00068	29.81862	-.19266	-.20594	-.20564	-.21379
.800	17.473	.00116	29.81481	-.21930	-.23774	-.22859	-.22186
.799	19.749	.00227	29.79905	-.24667	-.26550	-.27003	-.25255
.799	22.039	-.00116	29.80548	-.28208	-.30866	-.33675	-.31138

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LA51 TABULATED SOURCE DATA

LARC8TPT-684 (LA-51) (B1F1M1) (WIE1S1) (V1)

(PHV013)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AILRON = .000 BOFLAP = -11.700
 SPD8RK = .000

RUN NO. 138/ 0

MACH	ALPHA	BETA	Q(KPA)	CP1	CP2	CP3	CP4
.900	-2.625	-.01231	34.01952	-.25419	-.19910	-.26897	-.25130
.900	-.248	-.00276	34.01054	-.24342	-.19551	-.26032	-.23979
.900	2.069	.00326	34.03177	-.23332	-.18956	-.25188	-.22951
.900	4.129	.00270	34.01469	-.22979	-.18217	-.25145	-.22389
.900	6.792	-.00112	34.01339	-.23234	-.17535	-.25720	-.22456
.900	9.212	-.00169	34.03256	-.23528	-.17713	-.25625	-.22474
.899	10.914	-.00041	34.00746	-.23880	-.18199	-.25504	-.22923
.900	13.339	.00158	34.02565	-.24851	-.20522	-.24497	-.24123
.900	15.532	.00430	34.03309	-.26127	-.23752	-.24834	-.24845
.900	17.894	.00354	34.03834	-.27913	-.27236	-.27654	-.27309
.899	20.151	.00493	33.97721	-.31792	-.32122	-.32334	-.32722
.899	22.226	.00231	34.01600	-.37163	-.37249	-.37608	-.37602

RUN NO. 137/ 0

MACH	ALPHA	BETA	Q(KPA)	CP1	CP2	CP3	CP4
.981	-2.668	-.01204	36.92566	-.40462	-.36449	-.38209	-.37001
.980	-.320	.00002	36.89054	-.37850	-.32281	-.35639	-.35256
.981	1.398	.00377	36.92639	-.38434	-.31834	-.35482	-.35191
.981	4.163	.00550	36.91176	-.39420	-.31108	-.36251	-.35502
.980	6.678	.00539	36.90223	-.40777	-.31249	-.38033	-.36671
.980	8.916	.00364	36.89416	-.42022	-.32447	-.39886	-.37862
.980	11.166	.00525	36.89196	-.43573	-.35817	-.41475	-.40099
.979	13.688	.00236	36.86854	-.44794	-.38551	-.42907	-.41640
.979	15.974	.00500	36.84869	-.45566	-.42619	-.44441	-.44189
.981	18.644	.00783	36.98215	-.47409	-.48190	-.49250	-.49093
.980	20.616	.01194	36.89051	-.50610	-.50801	-.52258	-.50958
.980	22.888	.00983	36.91748	-.56132	-.53468	-.55786	-.54950

LA51 TABULATED SOURCE DATA

LARC8TPT-684 (LA-51) (B1F1M1) (WIE1S1) (V1)

(PHV013)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPDGRK = .000

RUN NO. 136/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
1.200	-2.582	-.01296	42.19740	-.37198	-.35803	-.38434	-.39120
1.200	-.181	-.00389	42.19294	-.36393	-.35384	-.37657	-.38335
1.200	2.568	.00310	42.20361	-.35090	-.34707	-.36747	-.35889
1.200	4.518	.00273	42.19461	-.34761	-.34744	-.36313	-.35126
1.200	6.765	.00086	42.19813	-.35183	-.35226	-.36440	-.35680
1.200	9.109	.00069	42.19609	-.35384	-.34894	-.36134	-.36325
1.200	11.508	-.00236	42.21159	-.35942	-.35432	-.36637	-.36952
1.199	13.996	-.00318	42.19163	-.39108	-.38912	-.39407	-.40002
1.200	16.258	.00044	42.20296	-.40510	-.40663	-.40949	-.41703
1.200	18.577	.00415	42.19396	-.42687	-.43221	-.43168	-.44025
1.199	20.860	.00452	42.18197	-.46218	-.46639	-.46533	-.47279
1.199	23.135	.00502	42.18892	-.49438	-.48318	-.50362	-.52054

LARC8TPT-684 (LA-51) (B1F1M1) (WIE1S2) (V1)

(PHV014)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AILRON = .000 BDFLAP = -11.700
 SPDGRK = .000

RUN NO. 80/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.348	-2.064	-.00307	7.91086	-.20711	-.18087	-.22149	-.22142
.349	-.020	-.00096	7.94674	-.20335	-.17866	-.21814	-.21477
.348	2.025	-.00005	7.92437	-.20011	-.17584	-.21875	-.21157
.349	4.064	-.00104	7.95577	-.19744	-.17327	-.21742	-.20839
.350	6.113	-.00179	7.97818	-.19595	-.17280	-.22107	-.20782
.349	8.163	-.00090	7.96026	-.19780	-.17459	-.22581	-.21252
.349	10.236	-.00116	7.94231	-.19919	-.17875	-.22820	-.21678
.349	12.286	-.00169	7.94231	-.20251	-.18667	-.23057	-.22718
.349	14.344	.00002	7.94231	-.20962	-.20567	-.23531	-.24089
.349	16.405	.00012	7.95575	-.22111	-.22324	-.24910	-.25182
.349	18.467	-.00058	7.93334	-.24926	-.25127	-.26685	-.27193
.349	20.525	-.00071	7.94232	-.28359	-.28735	-.28834	-.30993

LAS1 TABULATED SOURCE DATA
LARC8TPT-684 (LA-51) (B1F1M1) (WIE1S2) (V1)

(PHVD14)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AILRON = .000 BDELAP = -11.700
 SPCBRK = .000

RUN NO. 79/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.801	-2.322	-.01116	29.87178	-.21392	-.20278	-.22418	-.22407
.801	-1.105	-.00338	29.84951	-.20348	-.19778	-.21313	-.21668
.801	2.105	.00249	29.85913	-.20266	-.19207	-.21496	-.21473
.800	4.315	.00447	29.82615	-.19857	-.19100	-.21202	-.21545
.801	6.545	.00182	29.88249	-.20252	-.19394	-.21858	-.22036
.800	8.761	.00075	29.82003	-.20985	-.20399	-.22341	-.23186
.801	10.998	.00048	29.85272	-.22263	-.21786	-.23251	-.24736
.800	13.253	.00476	29.79956	-.24094	-.23734	-.25043	-.27133
.801	15.464	.00153	29.86785	-.26540	-.26760	-.28226	-.29314
.801	17.704	.00356	29.86555	-.29518	-.30265	-.31364	-.32586
.800	19.960	.00808	29.82645	-.32837	-.33420	-.33974	-.36931
.800	21.826	.00929	29.83668	-.38115	-.38160	-.40177	-.41829

RUN NO. 78/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.900	-2.377	-.01087	33.99150	-.22316	-.22162	-.22693	-.23387
.900	-1.109	-.00011	34.02871	-.21551	-.21378	-.22116	-.22711
.899	2.125	.00206	33.99083	-.20910	-.20718	-.21731	-.22238
.900	4.393	.00438	33.99807	-.20628	-.20327	-.21749	-.22167
.900	6.644	.00359	34.04141	-.23047	-.21029	-.25058	-.23662
.900	8.941	.00617	34.00376	-.23759	-.21801	-.26069	-.25047
.899	11.215	.00885	33.99324	-.24741	-.23507	-.26940	-.27341
.899	13.464	.00857	33.97856	-.27002	-.26596	-.29044	-.30813
.900	15.743	.01183	34.02434	-.30120	-.30253	-.32011	-.33884
.900	18.026	.01035	34.02302	-.34184	-.33406	-.35207	-.37959
.900	20.237	.01327	34.01492	-.39528	-.38133	-.40157	-.43190
.899	22.166	.00352	33.99696	-.46184	-.45554	-.49858	-.48361

LA51 TABULATED SOURCE DATA

(PHV014)

LARC8TPT-684(LA-51) (B1F1M1) (W1E1S2) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AILRON = .000 BDFLAP = -11.700
 SPDRK = .000

RUN NO. 77/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.980	-2.395	-.00988	36.89785	-.38367	-.33496	-.41747	-.38837
.980	-.094	-.00099	36.90957	-.38076	-.32517	-.40926	-.37855
.981	2.201	.00688	36.91176	-.37412	-.32140	-.39397	-.36929
.980	4.513	.00609	36.90662	-.37391	-.32098	-.38306	-.36857
.979	6.813	.00666	36.87587	-.38273	-.32809	-.38677	-.37613
.980	9.129	.00985	36.88466	-.40107	-.35176	-.40407	-.39647
.980	11.445	.00803	36.88686	-.42598	-.37707	-.43404	-.42079
.980	13.786	.00439	36.89561	-.46179	-.42535	-.46950	-.44786
.979	16.112	.00677	36.86269	-.49365	-.46528	-.48561	-.48054
.981	18.428	.01048	36.91504	-.53682	-.51694	-.53035	-.52910
.980	20.695	.01302	36.90001	-.54525	-.55205	-.56986	-.56428
.980	21.243	.01122	36.89126	-.56265	-.55555	-.59467	-.58040

RUN NO. 76/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
1.200	-2.388	-.01138	42.20091	-.35459	-.33267	-.36084	-.35034
1.200	-.065	.00108	42.20185	-.33486	-.31827	-.34961	-.34376
1.200	2.288	.00398	42.20556	-.31830	-.31448	-.32728	-.33071
1.200	4.604	.00344	42.20454	-.31747	-.31935	-.32476	-.32473
1.200	6.941	.00464	42.18979	-.33927	-.33377	-.34172	-.33748
1.201	9.271	.00510	42.20899	-.35739	-.35314	-.35660	-.36756
1.201	11.616	.00302	42.20240	-.37292	-.37252	-.38245	-.39479
1.200	13.970	.00379	42.19944	-.39448	-.39843	-.40309	-.39788
1.200	16.286	.00785	42.20668	-.40962	-.41163	-.41722	-.43139
1.200	18.597	.01002	42.21113	-.43364	-.43689	-.44361	-.45134
1.200	20.915	.01387	42.20250	-.46030	-.46139	-.47158	-.47037
1.200	22.793	.01597	42.19183	-.47722	-.47521	-.48428	-.48840

LA51 TABULATED SOURCE DATA

LARC8TPT-684(LA-51) (B1F1M1) (WIE1S2) (V1)

(PHV015)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPDGRK = .000

RUN NO. 75/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.349	-2.129	-.00305	7.95118	-.17458	-.14790	-.18019	-.18348
.349	-.106	-.00033	7.95119	-.17363	-.14507	-.17830	-.17970
.349	1.947	-.00053	7.94672	-.17136	-.14279	-.17793	-.17507
.349	3.996	-.00084	7.95568	-.16880	-.13886	-.17915	-.17205
.348	6.032	-.00010	7.91085	-.16888	-.14152	-.18300	-.17205
.349	8.094	-.00142	7.93325	-.16690	-.14444	-.18438	-.17300
.348	10.144	-.00075	7.91536	-.16879	-.15139	-.18194	-.17480
.349	12.201	-.00074	7.93777	-.17107	-.16184	-.18428	-.18378
.349	14.262	-.00009	7.94224	-.17525	-.17497	-.18702	-.19692
.349	16.324	-.00021	7.93327	-.19205	-.19171	-.19908	-.20945
.348	18.368	.00123	7.91085	-.20116	-.20504	-.21437	-.23140
.348	20.442	.00128	7.89740	-.21628	-.23103	-.24092	-.26174

RUN NO. 74/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.800	-2.560	-.00992	29.84981	-.20404	-.17541	-.20985	-.20171
.801	-.365	-.00162	29.85242	-.19671	-.17151	-.20593	-.19616
.800	1.847	.00342	29.84661	-.19569	-.16714	-.20458	-.19216
.800	4.070	.00405	29.82384	-.18526	-.16147	-.20397	-.18839
.800	6.291	.00344	29.84310	-.18288	-.16062	-.20385	-.18778
.800	8.517	.00168	29.82705	-.18272	-.16560	-.20054	-.19064
.801	10.738	.00023	29.87928	-.18155	-.17287	-.19217	-.19512
.800	12.983	.00148	29.83377	-.18533	-.18279	-.19344	-.20067
.800	15.153	.00085	29.80749	-.19761	-.20457	-.20949	-.21532
.801	17.402	.00374	29.88539	-.22903	-.23659	-.23039	-.24635
.800	19.666	.00323	29.80427	-.26308	-.26951	-.27109	-.27583
.800	21.854	.00348	29.81742	-.30263	-.31229	-.31651	-.31476

LA51 TABULATED SOURCE DATA

(PHV015)

LARC0TPT-604(LA-51) (B1F1M1) (WIE1S2) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPDBRK = .000

RUN NO. 73/ 0

MACH	ALPHA	BETA	Q(KPA)	CP1	CP2	CP3	CP4
.900	-2.681	-.00976	34.04841	-.26045	-.19284	-.27118	-.25356
.901	-.389	-.00051	34.06481	-.25005	-.18791	-.26399	-.24462
.900	1.893	.00410	34.04928	-.23943	-.18259	-.26278	-.23822
.901	4.172	.00460	34.06481	-.23081	-.17756	-.26255	-.23084
.900	6.462	.00389	34.02696	-.23339	-.17379	-.26074	-.22778
.900	8.730	.00426	34.05016	-.23843	-.17609	-.25018	-.22333
.901	11.013	.00559	34.06853	-.24438	-.18800	-.24806	-.22707
.899	13.255	.00236	34.00484	-.25425	-.20003	-.26998	-.24450
.900	15.525	.00451	34.05432	-.27213	-.22496	-.28538	-.26179
.900	17.798	.00521	34.02696	-.28873	-.26228	-.29058	-.28418
.900	20.024	.01341	34.02937	-.32302	-.30590	-.33068	-.32158
.900	22.212	-.00082	34.03681	-.38867	-.38086	-.40430	-.39952

RUN NO. 72/ 0

MACH	ALPHA	BETA	Q(KPA)	CP1	CP2	CP3	CP4
.980	-2.498	-.00589	27.67264	-.38919	-.34867	-.36547	-.35596
.981	-.279	.00178	27.69607	-.37183	-.31773	-.35752	-.34897
.980	1.955	.00684	27.69459	-.37327	-.30752	-.35040	-.34214
.980	4.180	.00826	27.68070	-.38250	-.30436	-.35066	-.34591
.980	6.409	.00605	27.67849	-.39471	-.31028	-.37751	-.35754
.980	8.652	.00478	27.67044	-.41221	-.32577	-.40639	-.37999
.980	10.897	.00419	27.66824	-.43604	-.35627	-.42937	-.40186
.979	13.129	.00498	27.66164	-.45296	-.39453	-.44029	-.42538
.979	15.354	.00884	27.64623	-.46029	-.41848	-.44053	-.43444
.980	17.584	.01021	27.66022	-.46586	-.46425	-.47336	-.47185
.981	19.811	.00962	27.68292	-.49232	-.50813	-.52090	-.51417
.980	22.025	.01224	27.68209	-.51932	-.52296	-.54134	-.53195

LA51 TABULATED SOURCE DATA

LARC8TPT-684 (LA-51) (BIFIM1) (MIEIS2) (V1)

(PHV015)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
AILRON = .000 BDFLAP = -11.700
SPDBRK = .000

RUN NO. 71/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
1.200	-2.447	-.00806	31.65457	-.36686	-.35556	-.37684	-.37983
1.200	-.195	.00009	31.65178	-.36074	-.35078	-.36669	-.37278
1.201	2.051	.00422	31.66068	-.34726	-.34339	-.36130	-.34889
1.201	4.289	.00443	31.65447	-.34506	-.34487	-.35887	-.34682
1.200	6.540	.00622	31.65382	-.34985	-.34917	-.36080	-.35266
1.200	8.786	.00258	31.65355	-.35684	-.34902	-.36030	-.36735
1.200	11.037	.00192	31.65355	-.36636	-.35435	-.37420	-.37518
1.200	13.281	.00149	31.64083	-.37931	-.37258	-.38512	-.38834
1.200	15.541	.00582	31.65874	-.39613	-.40342	-.40725	-.41827
1.200	17.744	.00697	31.64287	-.41018	-.41766	-.42534	-.43123
1.200	19.962	.00896	31.64594	-.43429	-.43787	-.44145	-.45361
1.199	22.173	.01360	31.63637	-.44606	-.45220	-.46045	-.46962

LARC8TPT-684 (LA-51) (BIFIM1) (MIEIS2) (V1)

(PHV016)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
AILRON = .000 BDFLAP = -11.700
SPDBRK = .000

RUN NO. 120/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.350	-2.144	5.02975	8.00505	-.17334	-.15780	-.19296	-.19104
.350	-.081	5.03540	7.97818	-.17202	-.15738	-.19265	-.18790
.350	1.980	5.03223	7.99164	-.17410	-.15524	-.19563	-.18853
.349	4.019	5.02235	7.95129	-.17591	-.15271	-.20087	-.18947
.349	6.074	5.00614	7.96028	-.17666	-.15301	-.20773	-.18832
.350	8.134	4.98364	7.98269	-.17429	-.15682	-.20622	-.18780
.349	10.193	4.95447	7.97372	-.17543	-.16406	-.19701	-.18659
.349	12.257	4.91996	7.96027	-.18424	-.17140	-.19308	-.19021
.349	14.338	4.87844	7.97373	-.19528	-.18241	-.20220	-.20262
.349	16.403	4.83101	7.94682	-.20731	-.20002	-.21092	-.21464
.349	18.478	4.77750	7.95581	-.21940	-.21395	-.22062	-.22338
.349	20.543	4.71917	7.97373	-.23215	-.23042	-.23712	-.23372

LAST TABULATED SOURCE DATA

LARC8TPT-684 (LA-51) (B1F1M1) (W1E1S2) (V1)

(PHV016)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 ATTURON = .000 BOFLAP = -11.700
 SPDRK = .000

RUN NO. 119/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.800	-2.580	5.14277	29.01712	-.19968	-.19119	-.21656	-.21179
.800	-.327	5.15074	29.03257	-.19908	-.19651	-.20990	-.20804
.801	1.869	5.14785	29.85974	-.19513	-.19560	-.20393	-.20158
.800	4.103	5.13376	29.82765	-.18824	-.19025	-.19529	-.19459
.800	6.334	5.11545	29.83056	-.18279	-.18835	-.18783	-.18928
.801	8.553	5.08753	29.84921	-.18345	-.19013	-.18899	-.19044
.800	10.817	5.05075	29.80076	-.18334	-.19116	-.18762	-.19324
.800	13.036	5.01278	29.81100	-.18846	-.19588	-.18946	-.19595
.800	15.243	4.96566	29.81652	-.20563	-.21247	-.20596	-.20890
.800	17.516	4.91634	29.80839	-.23122	-.23505	-.22406	-.23206
.801	19.789	4.86496	29.83744	-.26735	-.28298	-.26053	-.30392
.800	22.028	4.80448	29.83819	-.31425	-.30866	-.30999	-.34440

RUN NO. 118/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.899	-2.670	5.17175	33.99914	-.24537	-.20893	-.23925	-.25104
.901	-.357	5.18175	34.05825	-.24439	-.21188	-.24027	-.24641
.900	1.918	5.18118	34.03615	-.24145	-.20992	-.23844	-.24182
.900	4.216	5.16834	34.04775	-.23450	-.20092	-.23460	-.23589
.899	6.490	5.14494	34.01185	-.23297	-.18888	-.25399	-.24442
.901	8.799	5.11493	34.06438	-.23350	-.18529	-.28022	-.24471
.900	11.083	5.07694	34.03987	-.23932	-.19259	-.26207	-.23628
.901	13.351	5.03226	34.08066	-.24670	-.20415	-.26412	-.24816
.900	15.618	4.98932	34.02565	-.26722	-.23248	-.27291	-.26167
.900	17.913	4.94285	34.04972	-.29360	-.26384	-.29725	-.29548
.900	20.159	4.89602	34.03878	-.32957	-.31453	-.34422	-.34029
.900	22.344	4.81360	34.05388	-.38953	-.38051	-.39766	-.40050

LA51 TABULATED SOURCE DATA

(PHVO16)

LARC87PT-664 (LA-51) (BIFIM1) (WIE182) (V1)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPDPRK = .000

RUN NO. 117/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.980	-2.498	5.14770	27.67042	-38997	-34671	-39224	-38486
.980	-.254	5.15659	27.67706	-39126	-34055	-38346	-37922
.980	1.986	5.15209	27.67558	-38784	-33525	-38359	-37636
.979	4.235	5.13695	27.65507	-38332	-32718	-39023	-37592
.979	6.470	5.11364	27.65652	-38942	-32308	-40026	-38227
.979	8.727	5.08188	27.64699	-40543	-32651	-41748	-39619
.979	10.971	5.03829	27.63745	-42950	-37530	-43361	-41978
.979	13.211	4.99518	27.64626	-44717	-41489	-45248	-43400
.979	15.490	4.95166	27.63745	-44764	-42350	-44709	-43406
.979	17.684	4.89704	27.66966	-46487	-45125	-46565	-45505
.979	19.886	4.83011	27.65504	-48223	-47287	-50380	-48717
.979	22.081	4.77225	27.64038	-50856	-49434	-53746	-51982

RUN NO. 116/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
1.200	-2.436	5.17126	31.65261	-37794	-36944	-39589	-39162
1.200	-.175	5.17192	31.65772	-37472	-36447	-38460	-38639
1.200	2.071	5.16593	31.65494	-36646	-35790	-37184	-37780
1.200	4.332	5.14819	31.66078	-36337	-34937	-36696	-37388
1.200	6.570	5.12277	31.66598	-36923	-35473	-37091	-37640
1.200	8.836	5.08807	31.65428	-38091	-36197	-37948	-38270
1.199	11.109	5.05044	31.65780	-39095	-37410	-39283	-39912
1.200	13.356	5.00829	31.66635	-39524	-39698	-40638	-41527
1.200	15.617	4.96196	31.65743	-40149	-41423	-41797	-43183
1.200	17.842	4.90505	31.66635	-41071	-43253	-42825	-44268
1.200	20.058	4.84188	31.66013	-42888	-44577	-44532	-46330
1.201	22.295	4.76999	31.67349	-44300	-41527	-46488	-45280

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LA51 TABULATED SOURCE DATA

(PHV017)

LARC8TPT-604(LA-51) (B2F1M1) (WIE180) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AIRLON = .000 BOFLAP = -11.700
 SFDRBK = .000

RUN NO. 60/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.349	-2.035	-.00200	7.97373	-.20045	-.10610	-.22053	-.21724
.350	.090	-.00070	7.98271	-.20540	-.18270	-.21746	-.21277
.349	4.140	.00013	7.97373	-.19902	-.17492	-.21723	-.20595
.349	6.208	-.00077	7.96030	-.19652	-.17380	-.22184	-.20347
.350	8.769	-.00167	7.98719	-.19540	-.17369	-.22251	-.20514
.350	11.362	-.00037	7.98271	-.19881	-.18035	-.22357	-.21042
.349	12.750	-.00003	7.97374	-.20327	-.18712	-.22382	-.21771
.350	14.694	-.00067	7.98719	-.21187	-.20087	-.23003	-.22955
.350	16.597	.00048	7.97823	-.22153	-.22314	-.24110	-.24625
.349	18.410	.00143	7.97373	-.23769	-.24580	-.25629	-.26425
.349	20.511	.00292	7.96477	-.25541	-.26863	-.27543	-.28667

RUN NO. 59/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.801	-2.331	-.00672	29.86706	-.21975	-.20607	-.22922	-.22052
.802	-.110	.00080	29.90903	-.21306	-.19780	-.22303	-.21372
.802	.380	.00085	29.90262	-.21386	-.19797	-.22433	-.21552
.800	2.303	.00537	29.81913	-.21088	-.19295	-.22365	-.21306
.801	4.201	.00551	29.87317	-.20839	-.18975	-.22466	-.21145
.801	6.666	.00675	29.84540	-.20769	-.19029	-.22724	-.21226
.800	8.671	.00206	29.83758	-.21008	-.19710	-.23056	-.21745
.800	10.685	.00249	29.83638	-.21870	-.20991	-.23346	-.22878
.801	13.245	.00250	29.88158	-.23929	-.23605	-.24984	-.24991
.801	15.341	.00763	29.86325	-.26296	-.26614	-.27273	-.27755
.800	17.534	.01268	29.82936	-.28744	-.29277	-.29705	-.30147
.799	20.015	.01280	29.78380	-.32824	-.33403	-.33426	-.34621
.800	21.799	.01407	29.81391	-.37420	-.37803	-.37989	-.39367

LA51 TABULATED SOURCE DATA

(PHWD17)

LARC8PT-684(LA-51) (B2F1M1) (MIE150) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AILRON = .000 BOFLAP = -11.700
 SFDPRK = .000

RUN NO. 58/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.901	-2.448	-.00614	34.05847	-.23427	-.22068	-.24515	-.23671
.901	-.121	.00464	34.06699	-.21920	-.21337	-.22636	-.22366
.900	.111	.00402	34.03156	-.21766	-.21304	-.22483	-.22389
.900	2.141	.00609	34.00266	-.21641	-.20584	-.22755	-.22111
.900	4.427	.00595	34.02587	-.21427	-.20273	-.22817	-.21974
.901	6.723	.00716	34.05431	-.22546	-.20542	-.24099	-.22639
.900	8.888	.00511	34.03331	-.24295	-.21985	-.25988	-.24349
.901	11.077	.00766	34.06043	-.25909	-.23231	-.26992	-.26300
.901	13.327	.01066	34.06634	-.27438	-.26216	-.28243	-.29267
.900	15.532	.01008	34.04097	-.30683	-.29754	-.31538	-.32747
.900	17.810	.00997	34.00222	-.33759	-.32825	-.35602	-.35497
.900	20.157	.02886	34.01361	-.38843	-.37260	-.40114	-.39210
.899	22.099	.01174	33.98929	-.45496	-.43696	-.46800	-.44577

RUN NO. 57/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.980	-2.294	-.00539	27.66899	-.39054	-.33914	-.41772	-.38446
.980	-.108	.00181	27.66097	-.38822	-.33180	-.40835	-.37672
.980	2.043	.00640	27.64560	-.38398	-.32864	-.40102	-.37005
.979	4.237	.00705	27.64264	-.38234	-.32808	-.39734	-.36786
.980	6.681	.00725	27.65362	-.39107	-.33396	-.40307	-.37455
.979	8.839	.01067	27.63604	-.40604	-.34164	-.40756	-.38729
.979	11.034	.00896	27.64557	-.43480	-.37436	-.43816	-.41842
.979	13.090	.00951	27.65507	-.46159	-.40647	-.47061	-.44569
.980	15.401	.01438	27.67261	-.49614	-.44996	-.50333	-.48137
.979	17.597	.01010	27.64849	-.53225	-.49996	-.53558	-.51277
.979	19.799	.01153	27.64331	-.55412	-.54244	-.55714	-.54447
.979	22.014	.00905	27.64916	-.58530	-.57822	-.60537	-.58750

LA51 TABULATED SOURCE DATA

(PHV017)

LARC8TPT-684 (LA-51) (B2F1M1) (WIE1SD) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AILRON = .000 BDFLAP = -11.700
 SPDBRK = .000

RUN NO. 56/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
1.199	-2.321	-.00064	31.62532	-.35309	-.34270	-.35381	-.34534
1.199	-.070	-.00026	31.62642	-.34125	-.32713	-.34757	-.33698
1.200	.132	.00012	31.63731	-.33993	-.32558	-.34719	-.33625
1.200	2.690	.00329	31.63453	-.32918	-.31524	-.34003	-.32791
1.200	4.364	.00266	31.63276	-.33677	-.32350	-.34013	-.32765
1.200	6.499	.00460	31.63211	-.34619	-.33667	-.34336	-.33870
1.200	8.953	.00275	31.63322	-.35646	-.34808	-.35516	-.35440
1.200	11.231	.00173	31.63944	-.36579	-.36245	-.37325	-.37010
1.199	13.274	.00282	31.63052	-.38355	-.36983	-.38789	-.38271
1.199	15.627	.00640	31.63710	-.40304	-.40087	-.40923	-.40462
1.199	17.744	.00772	31.62611	-.43703	-.43918	-.44472	-.44518
1.199	20.002	.00996	31.61917	-.46732	-.46839	-.47496	-.47669
1.199	22.213	.01149	31.62913	-.48758	-.48904	-.49424	-.49939

(PHV018)

LARC8TPT-684 (LA-51) (B2F1M1) (WIE1SD) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPDBRK = .000

RUN NO. 55/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.352	-2.190	-.00261	8.10382	-.17687	-.15255	-.18278	-.18467
.353	-.134	-.00252	8.12622	-.17500	-.14891	-.18136	-.18048
.353	1.890	-.00187	8.12610	-.17454	-.14615	-.18136	-.17771
.352	4.016	-.00153	8.09027	-.17205	-.14216	-.18447	-.17431
.351	6.268	-.00247	8.04105	-.16887	-.13789	-.18885	-.17256
.351	8.121	-.00184	8.04105	-.16840	-.14068	-.19071	-.17350
.351	10.067	-.00264	8.02762	-.17055	-.14790	-.18869	-.17705
.351	12.366	-.00090	8.04104	-.17448	-.16070	-.18885	-.18096
.350	14.205	-.00083	8.01416	-.18162	-.17430	-.19649	-.19091
.350	16.253	-.00064	8.00520	-.18699	-.19039	-.20140	-.19955
.351	18.304	.00017	8.02762	-.19678	-.21225	-.21066	-.21721
.350	20.406	.00151	8.01866	-.21668	-.23302	-.22727	-.23616

LA51 TABULATED SOURCE DATA

(PHWD19)

LARC8TPT-684(LA-51) (B2F1M1) (WIE1SD) (V1)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 ATTROM = .000 BDFLAP = -11.700
 SPDBRK = .000

RUN NO. 103/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.347	-2.332	5.02920	7.85710	-1.7303	-1.15458	-1.19255	-1.18941
.348	-.048	5.03571	7.91539	-1.7274	-1.15773	-1.19448	-1.18899
.348	2.158	5.03155	7.92884	-1.7577	-1.15605	-1.19795	-1.19009
.348	4.151	5.02112	7.92440	-1.7777	-1.15377	-1.20423	-1.19020
.349	6.184	5.00577	7.96924	-1.7821	-1.14963	-1.21301	-1.19009
.349	8.333	4.98229	7.97372	-1.7764	-1.15378	-1.21950	-1.19187
.349	10.356	4.95295	7.96028	-1.7415	-1.15827	-1.21608	-1.19313
.349	12.304	4.92031	7.93788	-1.7273	-1.16296	-1.20389	-1.19130
.349	14.409	4.87949	7.96925	-1.7585	-1.17269	-1.19744	-1.19245
.348	16.408	4.83329	7.93340	-1.8137	-1.18480	-1.20258	-1.20135
.349	18.506	4.78013	7.97376	-1.9747	-1.19705	-1.21007	-1.21730
.349	21.890	4.67925	7.94236	-2.2290	-1.22803	-1.23456	-1.23659

RUN NO. 104/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.800	-2.482	5.14265	29.85393	-1.9802	-1.19076	-1.21554	-1.20858
.800	-.340	5.14920	29.84691	-1.9832	-1.19382	-1.21244	-1.20674
.801	-.132	5.14951	29.87287	-1.9841	-1.19379	-1.21303	-1.20771
.801	1.858	5.14570	29.85332	-1.9790	-1.19453	-1.20988	-1.20595
.800	4.148	5.13520	29.84661	-1.8974	-1.18942	-1.19871	-1.19743
.801	6.569	5.11343	29.86065	-1.8108	-1.18419	-1.18653	-1.19043
.800	8.531	5.08799	29.83377	-1.8098	-1.18547	-1.18517	-1.19386
.800	10.873	5.05265	29.84630	-1.8432	-1.18955	-1.18951	-1.19807
.800	13.224	5.01069	29.82063	-1.9279	-1.19925	-1.19559	-1.20200
.800	15.347	4.97201	29.82735	-2.0727	-1.21216	-1.20752	-1.21442
.801	17.938	4.91683	29.85944	-2.2347	-1.23092	-1.22596	-1.23409
.799	20.052	4.85720	29.76100	-2.5831	-1.26526	-1.26253	-1.26130
.799	21.870	4.79204	29.79494	-3.0227	-1.31255	-1.30895	-1.30715

LA51 TABULATED SOURCE DATA

(PHV020)

LARC8TPT-684 (LA-51) (B2F1M1C3) (MIE1S0) (V1)

PARAMETRIC DATA

LA51 TABULATED SOURCE DATA

(PHV019)

LARC8TPT-684 (LA-51) (B2F1M1) (MIE1S0) (V1)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPDBRK = .000

RUN NO. 103/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.899	-2.508	5.17292	33.98842	-24689	-20756	-24747	-25156
.900	-1.360	5.18234	34.05541	-24564	-21167	-24434	-24831
.900	1.946	5.18161	34.02477	-24254	-20999	-24135	-24357
.899	4.286	5.16941	34.00725	-23580	-20171	-23672	-23751
.900	6.570	5.14795	34.04972	-23285	-18770	-25597	-24218
.900	8.768	5.11541	34.03068	-23265	-18119	-28706	-25158
.901	11.035	5.08604	34.07138	-23867	-18406	-28208	-24489
.899	13.365	5.04567	34.00374	-25055	-20074	-27800	-25156
.900	15.657	5.00302	34.02783	-27384	-22485	-26377	-26319
.899	17.862	4.94981	34.01315	-29654	-26221	-29904	-28307
.899	20.086	4.87710	33.98577	-34077	-32034	-34332	-32829
.899	22.962	4.74051	34.01359	-42453	-42625	-43956	-41634

RUN NO. 102/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.980	-2.384	5.15073	27.68141	-39666	-35352	-39424	-38992
.981	-2.218	5.15733	27.69167	-39866	-34835	-38877	-38663
.981	2.018	5.15283	27.69680	-39404	-34309	-38960	-38216
.981	4.326	5.13662	27.68072	-39037	-33710	-39626	-38284
.980	6.586	5.11361	27.66092	-39287	-32803	-40624	-38723
.980	8.753	5.08441	27.69965	-41204	-33177	-42291	-40025
.980	11.055	5.04411	27.67119	-43557	-35702	-44194	-42195
.980	13.277	5.00610	27.69381	-44991	-38260	-46182	-43680
.980	15.578	4.95864	27.71792	-45653	-40589	-47018	-44544
.980	17.623	4.90704	27.71937	-46505	-44440	-46200	-45515
.981	20.023	4.84179	27.73132	-52389	-51829	-51290	-50734
.980	22.204	4.76894	27.66387	-54250	-53708	-53064	-52478

LA51 TABULATED SOURCE DATA

(PHV019)

LARC8TPT-684(LA-51) (B2F1M1) (WIE1S0) (V1)

PARAMETRIC DATA

LA51 TABULATED SOURCE DATA

(PHV020)

LARC8TPT-684(LA-51) (B2F1M1C3) (WIE1S0) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AILRON = .000 BDFLAP = -11.700
 SPDBRK = .000

RUN NO. 42/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.980	-2.396	-.01143	36.91025	-.38950	-.33795	-.42441	-.38919
.981	-.062	-.00129	36.90375	-.38786	-.33082	-.41402	-.38114
.980	2.232	.00582	36.88689	-.37909	-.32440	-.40150	-.37036
.980	4.549	.00511	36.89933	-.37301	-.32273	-.39092	-.36490
.980	6.877	.00723	36.88618	-.37853	-.32292	-.38819	-.36969
.980	9.198	.00987	36.88979	-.39650	-.33411	-.40113	-.38629
.980	11.477	.00793	36.87372	-.43311	-.36221	-.44454	-.41364
.980	13.805	.00926	36.87224	-.46885	-.39619	-.47882	-.44523
.979	16.121	.01066	36.86637	-.50177	-.42815	-.51905	-.48255
.980	18.419	.01302	36.88908	-.51995	-.45139	-.53597	-.50498
.980	20.686	.00983	36.89568	-.53287	-.48918	-.57314	-.53508
.981	21.298	.01123	36.89373	-.54179	-.50692	-.57501	-.54968

RUN NO. 41/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
1.199	-2.398	-.01472	42.17019	-.35374	-.34083	-.35626	-.34683
1.200	-.042	-.00583	42.18496	-.34246	-.32835	-.34865	-.33843
1.200	2.291	.00177	42.18348	-.32461	-.31644	-.33661	-.32890
1.200	4.654	.00247	42.18970	-.32171	-.32378	-.32837	-.32529
1.200	6.957	.00082	42.18246	-.34280	-.34097	-.34641	-.34563
1.200	9.291	.00004	42.17743	-.35898	-.35353	-.36293	-.36346
1.199	11.632	.00115	42.17780	-.36680	-.36416	-.37367	-.37731
1.199	13.987	.00406	42.17817	-.39559	-.38902	-.39610	-.39384
1.201	16.319	.00886	42.21038	-.41398	-.40956	-.41660	-.40639
1.200	18.601	.01203	42.19768	-.42201	-.43223	-.45271	-.45964
1.199	20.912	.01275	42.17268	-.44253	-.45436	-.48001	-.49404
1.200	23.214	.00938	42.19367	-.47240	-.47211	-.47844	-.47456

LA51 TABULATED SOURCE DATA

LARC0TPT-684 (LA-51) (B2F1M1C3) (WAE180) (V1)

(PHV021)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPDRK = .000

RUN NO. 50/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.349	-2.145	-.00472	7.97376	-.17545	-.15240	-.18147	-.18527
.350	-.090	-.00314	8.01410	-.17318	-.14884	-.18011	-.17828
.350	1.947	-.00204	8.01858	-.17027	-.14596	-.17860	-.17537
.350	4.005	-.00198	7.98273	-.16866	-.14473	-.18033	-.17333
.349	6.055	-.00266	7.97377	-.16744	-.14676	-.18053	-.17305
.350	8.105	-.00234	7.98274	-.16584	-.14707	-.18033	-.17098
.350	10.168	-.00270	8.00066	-.16923	-.15845	-.18322	-.17857
.351	12.203	-.00267	8.01857	-.17215	-.16883	-.18516	-.18613
.350	14.270	-.00153	8.00513	-.18229	-.17659	-.19765	-.19814
.349	16.335	-.00128	7.96927	-.19819	-.17690	-.20983	-.20843
.349	18.383	-.00020	7.97377	-.21458	-.17821	-.22242	-.21584
.349	20.444	.00144	7.95584	-.21081	-.17249	-.26442	-.22621

RUN NO. 49/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.800	-2.580	-.01065	29.84189	-.19864	-.17915	-.20501	-.19748
.800	-.340	-.00346	29.80127	-.19472	-.17397	-.20250	-.19356
.801	1.871	.00052	29.88569	-.18994	-.16764	-.19971	-.18917
.801	4.097	.00242	29.86585	-.18691	-.16561	-.19782	-.18802
.800	6.330	.00045	29.81652	-.18492	-.16648	-.19724	-.19132
.800	8.550	-.00190	29.83317	-.18344	-.17003	-.19550	-.19336
.801	10.775	-.00175	29.84951	-.18625	-.17597	-.19855	-.19817
.801	12.948	-.00122	29.88249	-.19235	-.18269	-.20576	-.20349
.800	15.190	.00294	29.84279	-.20165	-.20272	-.21079	-.22069
.801	17.389	.00510	29.85593	-.22323	-.22934	-.23282	-.24170
.800	19.622	.00767	29.83317	-.25514	-.26237	-.26947	-.27907
.801	21.825	.00881	29.88279	-.29237	-.30030	-.32054	-.32807

LA51 TABULATED SOURCE DATA

LARC8TPT-684 (LA-51) (B2F1M1C3) (MIE1SD) (V1)

(PHV021)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 ATLRON = .000 BDFLAP = -11.700
 SPD8RK = .000

RUN NO. 48/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.900	-2.640	-.01427	34.03309	-.24549	-.20336	-.26132	-.24207
.899	-.380	-.00335	33.99301	-.23416	-.19665	-.24738	-.22779
.899	1.892	.00159	34.00374	-.22867	-.19054	-.23958	-.22033
.900	4.201	.00262	34.01623	-.22726	-.18365	-.23905	-.21584
.900	6.507	.00251	34.05716	-.22854	-.18090	-.24229	-.21548
.899	8.766	.00187	33.99432	-.23172	-.18322	-.25367	-.22337
.900	11.022	.00507	34.02411	-.23948	-.18746	-.27043	-.23585
.899	13.278	.01487	33.97745	-.25551	-.20005	-.28317	-.25084
.900	15.583	.01569	34.04491	-.27323	-.23044	-.29319	-.27017
.900	17.819	.00900	34.01995	-.29376	-.26548	-.32352	-.29781
.900	20.051	.01162	34.03922	-.34153	-.32273	-.37593	-.34930
.900	22.222	.01174	34.02280	-.39053	-.37107	-.41295	-.39465

RUN NO. 47/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.980	-2.480	-.00893	27.67771	-.38941	-.33709	-.36533	-.35652
.981	-.245	-.00104	27.69120	-.37678	-.31251	-.35802	-.34949
.981	1.987	.00580	27.68364	-.37501	-.30288	-.35516	-.34392
.980	4.252	.00440	27.67484	-.37772	-.29663	-.36844	-.34688
.980	6.470	.00402	27.67484	-.38722	-.30393	-.38742	-.35975
.980	8.715	.00441	27.67339	-.39935	-.31370	-.41092	-.37578
.980	10.928	.00415	27.67044	-.41822	-.33302	-.43938	-.39811
.980	13.163	.00586	27.66901	-.45010	-.37125	-.46714	-.42760
.979	15.386	.00712	27.65284	-.46101	-.39087	-.47954	-.44159
.979	17.616	.00920	27.65872	-.46968	-.41197	-.47530	-.44916
.979	19.828	.00959	27.64114	-.48497	-.43283	-.49300	-.47524
.979	21.987	.01137	27.64843	-.52101	-.47916	-.51065	-.50671

LAS1 TABULATED SOURCE DATA

PAGE 123

LARC8TPT-684 (LA-51) (B2F1M1C3) (M1E1S0) (V1)

(PHV0221)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPDBRK = .000

RUN NO. 46/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
1.199	-2.437	-.01188	31.63395	-.36799	-.35624	-.38102	-.38367
1.200	-.169	-.00167	31.64770	-.36663	-.34801	-.36659	-.36724
1.200	2.063	.00302	31.64557	-.34633	-.34072	-.35454	-.35247
1.200	4.314	.00301	31.65559	-.34480	-.33565	-.34921	-.35367
1.200	6.565	.00273	31.63972	-.35013	-.33989	-.35988	-.35544
1.200	8.819	.00232	31.63907	-.35824	-.34205	-.36631	-.36056
1.200	11.080	.00099	31.64594	-.36587	-.35544	-.36871	-.37243
1.199	13.304	.00098	31.63673	-.37575	-.36954	-.38142	-.38644
1.199	15.549	.00475	31.63402	-.39380	-.39094	-.40157	-.41404
1.200	17.788	.00804	31.65494	-.40730	-.41644	-.42251	-.43684
1.200	19.967	.00735	31.64111	-.41568	-.43815	-.44215	-.45138
1.199	22.215	.01093	31.63637	-.43666	-.43952	-.46677	-.44635

LARC8TPT-684 (LA-51) (B2F1M1C3) (M1E1S0) (V1)

(PHV022)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPDBRK = .000

RUN NO. 110/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.350	-2.132	5.02542	8.01860	-.17957	-.16056	-.19733	-.19563
.351	-.086	5.02924	8.02307	-.17666	-.16000	-.19535	-.19131
.350	1.981	5.02642	8.01859	-.17628	-.15869	-.19827	-.18954
.350	4.040	5.01772	7.98275	-.18037	-.15938	-.20150	-.18991
.350	6.094	5.00042	8.00516	-.18317	-.15707	-.20612	-.18938
.351	8.155	4.97761	8.02308	-.18417	-.16000	-.21130	-.18944
.350	10.215	4.94811	8.00516	-.18364	-.16598	-.21129	-.19314
.351	12.276	4.91282	8.02308	-.18089	-.18339	-.20942	-.20115
.351	14.345	4.87017	8.02757	-.19769	-.19077	-.20930	-.20431
.350	16.394	4.82459	7.99620	-.20647	-.19244	-.22752	-.21826
.350	18.453	4.77030	8.00070	-.22331	-.18905	-.25421	-.23176
.349	20.521	4.71068	7.95137	-.24269	-.19964	-.26665	-.23932

LA51 TABULATED SOURCE DATA

(PHV022)

LARC6TPT-684 (LA-51) (B2F1M1C3) (MIE1SD) (V1)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 AILRON = .000 BOFLAP = -11.700
 SPDPRK = .000

RUN NO. 109/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.799	-2.578	5.14137	29.79173	-20146	-19114	-21622	-21138
.800	-3.14	5.14606	29.82264	-19786	-19487	-20921	-20527
.800	1.909	5.14267	29.82294	-19559	-19663	-20428	-20098
.800	4.128	5.12649	29.83668	-19159	-19290	-19953	-19674
.801	6.368	5.10568	29.84570	-18674	-18756	-19544	-19467
.800	8.622	5.07421	29.80016	-18446	-18593	-19697	-20087
.800	10.834	5.03945	29.81882	-18929	-18600	-19863	-20542
.801	13.052	5.00086	29.85363	-19932	-19078	-20384	-21350
.801	15.257	4.95567	29.84891	-20958	-19987	-20942	-22588
.799	17.496	4.90396	29.78089	-23355	-22636	-23386	-25499
.800	19.721	4.85151	29.80046	-27123	-26350	-27286	-29229
.800	21.945	4.78928	29.81712	-31344	-29772	-31714	-32692

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.900	-2.667	5.18254	34.01536	-24878	-21120	-25385	-25296
.901	-3.35	5.18843	34.04666	-23981	-21200	-24080	-24323
.900	1.948	5.17580	34.01974	-23856	-21139	-23911	-24177
.900	4.242	5.16139	33.99807	-23671	-20823	-24346	-24170
.900	6.559	5.13611	34.02215	-23145	-19417	-26530	-24551
.901	8.833	5.10524	34.08383	-23269	-18997	-27874	-24022
.899	11.123	5.06902	33.98865	-24897	-19491	-27198	-24276
.900	13.385	5.03099	34.00682	-26248	-20904	-27162	-25214
.899	15.630	4.98759	33.98011	-27843	-23604	-27881	-26605
.900	17.894	4.94141	33.99478	-30581	-27324	-31200	-30042
.900	20.122	4.88047	34.04184	-33772	-30595	-35513	-33181
.899	22.310	4.80584	33.99696	-37675	-33626	-39068	-38011

RUN NO. 108/ 0

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LA51 TABULATED SOURCE DATA

(PHVD22)

LARC8TPT-684 (LA-51) (B2F1W1C3) (W1E1S0) (V1)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 ATLRON = .000 BDELAP = -11.700
 SPDBRK = .000

RUN NO. 107/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.980	-2.492	5.16006	27.68435	-39700	-35272	-39288	-39276
.980	-.233	5.16124	27.67831	-39420	-.34071	-.38410	-.38115
.981	2.017	5.15624	27.69533	-38687	-33791	-.38440	-.37629
.981	4.263	5.14007	27.68875	-.38513	-33265	-.38973	-.37659
.980	6.502	5.11529	27.66971	-.39124	-33327	-.39747	-.38119
.980	8.742	5.08343	27.65727	-.40646	-33646	-.41593	-.39405
.980	11.018	5.03987	27.66604	-.42435	-.35416	-.44277	-.41365
.980	13.242	4.99742	27.67556	-.44307	-.37540	-.47845	-.43572
.979	15.476	4.93181	27.65139	-.45242	-.40799	-.47229	-.44856
.980	17.709	4.89453	27.67846	-.45988	-.42508	-.48407	-.45083
.980	19.899	4.83668	27.67626	-.47079	-.42849	-.50938	-.47014
.979	22.109	4.77398	27.66894	-.49974	-.44998	-.52633	-.49452

RUN NO. 108/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
1.200	-2.436	5.17971	31.62459	-37630	-36930	-.38180	-.39304
1.200	-.162	5.17823	31.62905	-.37252	-.36237	-.37755	-.38511
1.200	2.087	5.16890	31.65902	-.36893	-.36066	-.37336	-.38057
1.200	4.359	5.14934	31.65800	-.36378	-.35317	-.36953	-.37413
1.200	6.622	5.12310	31.65215	-.36748	-.35637	-.37702	-.37889
1.200	8.878	5.09074	31.64770	-.37971	-.36031	-.38127	-.38740
1.199	11.131	5.05389	31.64398	-.38777	-.37918	-.39087	-.39702
1.200	13.363	5.01239	31.65502	-.39136	-.39106	-.40563	-.41255
1.200	15.617	4.96255	31.63981	-.39742	-.41333	-.42797	-.41361
1.200	17.849	4.90024	31.65457	-.40843	-.42239	-.42349	-.40855
1.199	20.089	4.83480	31.64156	-.40816	-.40481	-.42299	-.42408
1.199	22.306	4.76580	31.63505	-.42965	-.41779	-.45266	-.43850

LA51 TABULATED SOURCE DATA

LARC8TPT-684(LA-51) (B2F1M1) (WIE1S2) (V1)

(PHW023)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AILRON = .000 BDFLAP = -11.700
 SPDORN = .000

RUN NO. 65/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.349	-2.046	-.00282	7.96934	-.20739	-.18465	-.21971	-.21571
.350	-.012	-.00150	8.00071	-.20283	-.17973	-.21558	-.21254
.349	1.960	.00117	7.97832	-.20056	-.17835	-.21617	-.20843
.350	4.028	-.00034	7.98728	-.19752	-.17394	-.21499	-.20538
.350	6.087	-.00028	8.00072	-.19719	-.17318	-.21933	-.20504
.349	8.017	-.00074	7.97384	-.19643	-.17329	-.22241	-.20760
.350	10.226	-.00124	7.99176	-.19882	-.17806	-.22380	-.21371
.350	12.143	.00018	7.98728	-.20128	-.18659	-.22627	-.22087
.350	14.241	.00012	7.99175	-.20823	-.20522	-.23413	-.23482
.349	16.296	.00104	7.96485	-.22261	-.22517	-.24763	-.25302
.349	18.317	.00254	7.96485	-.25046	-.25431	-.26883	-.27608
.349	20.512	.00057	7.93796	-.28302	-.28722	-.29998	-.31101

RUN NO. 64/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.800	-2.338	-.00658	29.84981	-.21792	-.20462	-.22733	-.22159
.800	-.108	-.00067	29.80628	-.21153	-.19711	-.22172	-.21761
.801	2.061	.00694	29.86264	-.20890	-.19188	-.22109	-.21372
.800	4.190	.00703	29.80628	-.20497	-.18794	-.22134	-.21232
.801	6.593	.00645	29.86325	-.20512	-.19075	-.22309	-.21572
.800	8.781	.00520	29.84049	-.20866	-.19953	-.22123	-.22479
.799	11.359	.00559	29.78380	-.22341	-.21798	-.22969	-.24646
.801	13.457	.00794	29.86325	-.24124	-.23762	-.24848	-.26481
.800	15.432	.00668	29.82936	-.25889	-.26172	-.27503	-.28281
.800	17.667	.00795	29.82705	-.28840	-.29637	-.31015	-.31777
.799	19.760	.01025	29.79083	-.32280	-.32698	-.33746	-.34922
.800	21.973	.00878	29.80658	-.38470	-.38270	-.40579	-.41332

LA51 TABULATED SOURCE DATA

LARC8TPT-684 (LA-51) (B2F1M1) (WIE1S2) (V1)

(PHW023)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AILRON = .000 BDFLAP = -11.700
 SPDGRK = .000

RUN NO. 63/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.900	-2.484	-.00540	34.01010	-.22338	-.21851	-.22960	-.23357
.900	-.182	.00363	34.03156	-.21573	-.21233	-.22174	-.22604
.899	2.187	.00750	33.98141	-.21128	-.20416	-.22118	-.22075
.900	4.266	.00803	34.02806	-.20636	-.20135	-.21768	-.21880
.899	6.555	.00932	33.98798	-.21932	-.20324	-.23505	-.22887
.900	9.167	.01013	34.01733	-.24024	-.21825	-.25835	-.25094
.900	11.215	.00870	34.01208	-.24768	-.23127	-.26434	-.26762
.900	13.373	.01156	34.01077	-.26792	-.25901	-.28278	-.29860
.900	15.633	.01863	34.01054	-.30329	-.29984	-.31522	-.33609
.899	17.837	.01229	33.96475	-.33690	-.32922	-.34515	-.36678
.899	20.142	.01380	33.99170	-.38619	-.37598	-.38992	-.41094
.899	22.560	.00805	33.99455	-.46180	-.45434	-.50160	-.47918

RUN NO. 62/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.980	-2.295	-.00428	27.66536	-.38120	-.33064	-.40806	-.38070
.980	-.046	.00266	27.66391	-.37879	-.32351	-.39941	-.37288
.980	2.084	.00591	27.65147	-.37575	-.32073	-.39218	-.36632
.980	4.256	.00704	27.66831	-.37564	-.32269	-.39030	-.36649
.980	6.454	.00795	27.66389	-.38309	-.32725	-.39272	-.37215
.980	8.817	.00847	27.66389	-.40103	-.34416	-.40004	-.39411
.980	11.408	.00655	27.66609	-.42942	-.37811	-.43435	-.42052
.980	13.008	.00727	27.65145	-.45306	-.41151	-.45986	-.44315
.979	15.529	.00735	27.62946	-.47408	-.45178	-.48940	-.46913
.979	17.649	.01068	27.62795	-.50696	-.49562	-.52304	-.52051
.979	19.887	.01317	27.63755	-.53946	-.53909	-.55168	-.55508
.977	22.092	.01370	27.58463	-.56236	-.55307	-.59428	-.57727

LA51 TABULATED SOURCE DATA

(PHV023)

LARC8TPT-684 (LA-51) (B2F1M1) (WIE1S2) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AILRON = .000 BDFLAP = -11.700
 SPD8RK = .000

RUN NO. 61/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
1.200	-2.270	-.00651	31.63044	-.35113	-.34159	-.35393	-.34849
1.200	.049	.00062	31.63350	-.33837	-.32640	-.34582	-.34027
1.200	2.285	.00452	31.63555	-.32036	-.31095	-.33472	-.32918
1.200	4.641	.00481	31.63517	-.32172	-.31776	-.32802	-.32426
1.200	6.738	.00540	31.63453	-.34125	-.33376	-.33885	-.33685
1.200	8.962	.00435	31.63183	-.35394	-.35054	-.35283	-.36303
1.200	10.841	.00374	31.63739	-.35796	-.36223	-.36300	-.36336
1.199	13.221	.00423	31.61434	-.38287	-.38538	-.38550	-.38133
1.198	15.679	.00569	31.60628	-.40643	-.40706	-.41021	-.41004
1.198	17.976	.00801	31.61404	-.42898	-.42892	-.43390	-.44119
1.199	20.389	.01162	31.61470	-.45190	-.45138	-.45737	-.46250
1.198	22.141	.01389	31.60818	-.47966	-.47760	-.48441	-.48473

(PHV024)

LARC8TPT-684 (LA-51) (B2F1M1) (WIE1S2) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPD8RK = .000

RUN NO. 70/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.348	-2.127	-.00246	7.93354	-.17301	-.14725	-.17858	-.18028
.349	-.114	-.00168	7.96493	-.17234	-.14575	-.17789	-.17817
.349	1.971	.00046	7.97840	-.17017	-.14269	-.17760	-.17506
.350	4.150	.00047	7.98290	-.16725	-.14374	-.18079	-.17262
.350	6.588	.00012	7.98737	-.16575	-.14066	-.18492	-.17158
.350	8.125	-.00082	8.00081	-.16641	-.14604	-.18509	-.17411
.350	10.086	-.00110	8.00977	-.16858	-.15336	-.18160	-.17626
.350	12.309	.00018	7.99633	-.17168	-.16438	-.18613	-.18546
.350	14.235	.00028	8.00081	-.17581	-.17645	-.18790	-.19660
.350	16.333	.00058	7.98737	-.18881	-.19033	-.19714	-.20772
.349	18.353	.00199	7.97393	-.20185	-.20755	-.21393	-.22876
.349	20.490	.00155	7.96496	-.22001	-.23550	-.24244	-.25866

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LA51 TABULATED SOURCE DATA

(PHV024)

LARC8TPT-684 (LA-51) (B2F1M1) (WIE1S2) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPDRBK = .000

RUN NO. 69/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.801	-2.634	-.01052	29.87147	-.20437	-.17591	-.21034	-.20336
.802	-3.329	-.00164	29.92458	-.19788	-.17300	-.20674	-.19777
.801	2.009	.00256	29.87728	-.19062	-.16711	-.20440	-.19241
.801	3.987	.00296	29.88781	-.18565	-.16255	-.20371	-.18933
.800	6.449	.00136	29.83879	-.18277	-.16065	-.20351	-.18873
.802	8.477	.00015	29.92016	-.18246	-.16490	-.19975	-.19003
.800	10.635	-.00132	29.85544	-.18167	-.17186	-.19360	-.19542
.801	12.910	.00257	29.87117	-.18461	-.18205	-.19250	-.20060
.801	15.252	.00220	29.89452	-.19995	-.20559	-.21070	-.21563
.802	17.609	.00446	29.91496	-.23526	-.24337	-.23590	-.25648
.800	19.489	.00452	29.83177	-.25868	-.26570	-.26607	-.27474
.800	22.184	.00564	29.83267	-.30807	-.31751	-.32229	-.32336

RUN NO. 68/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.900	-2.594	-.01065	34.05585	-.25957	-.19294	-.26952	-.25308
.901	-4.62	.00055	34.06282	-.25091	-.18796	-.26451	-.24587
.900	2.041	.00488	34.04075	-.23914	-.18258	-.26258	-.23953
.900	4.203	.00645	34.01426	-.23070	-.17788	-.26256	-.23354
.900	6.566	.00592	34.02652	-.23095	-.17254	-.25993	-.22784
.900	8.588	.00507	34.04644	-.23623	-.17321	-.25085	-.22341
.900	11.089	.00378	34.04644	-.24241	-.18618	-.24843	-.22793
.900	13.570	.00486	34.04316	-.25558	-.20302	-.27105	-.24568
.900	15.496	.00785	34.01798	-.27190	-.22826	-.29111	-.26713
.899	18.049	.00597	33.99519	-.29210	-.26771	-.29351	-.28849
.899	20.091	.01314	34.01272	-.32842	-.31589	-.33462	-.33254
.900	22.161	.00432	34.04250	-.37882	-.37235	-.40224	-.38699

LA51 TABULATED SOURCE DATA

LARC8TPT-684(LA-51) (B2F1M1) (W1E1S2) (V1)

(PHV024)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPDGRK = .000

RUN NO. 67/ 0

MACH	ALPHA	BETA	Q(KPA)	CF1	CF2	CF3	CF4
.979	-2.455	-.00753	27.65136	-.38324	-.34152	-.36010	-.35352
.979	-.220	.00240	27.65504	-.36611	-.31473	-.35264	-.34498
.980	1.907	.00624	27.68653	-.36742	-.30486	-.34813	-.34035
.981	4.229	.00734	27.69167	-.37734	-.30232	-.35397	-.34280
.980	6.534	.00650	27.68655	-.39326	-.30775	-.37637	-.35664
.980	8.510	.00602	27.66752	-.40494	-.31823	-.39669	-.37125
.979	10.923	.00581	27.65136	-.43382	-.35115	-.42538	-.39881
.979	13.028	.00821	27.65498	-.44813	-.38068	-.43559	-.41552
.978	15.444	.01164	27.61243	-.45521	-.41176	-.43449	-.42796
.977	17.626	.01199	27.59542	-.45404	-.44380	-.45358	-.45002
.982	19.676	.01304	27.71234	-.49581	-.51055	-.52439	-.51401
.979	22.456	.01305	27.67181	-.52034	-.52323	-.54118	-.55598

RUN NO. 66/ 0

MACH	ALPHA	BETA	Q(KPA)	CF1	CF2	CF3	CF4
1.200	-2.497	-.00714	31.65670	-.36647	-.35515	-.37356	-.37817
1.200	-.197	-.00033	31.66700	-.35997	-.34963	-.36400	-.37145
1.201	2.075	.00472	31.67274	-.34795	-.34298	-.35899	-.35509
1.202	4.253	.00286	31.69749	-.34484	-.34378	-.35812	-.34701
1.201	6.543	.00460	31.67263	-.34840	-.34816	-.35861	-.35056
1.202	8.883	.00412	31.68671	-.35669	-.35051	-.36013	-.36700
1.200	10.975	.00315	31.65392	-.36535	-.35581	-.37091	-.37647
1.200	13.357	.00230	31.66087	-.38108	-.37655	-.38542	-.39381
1.199	16.125	.00637	31.65297	-.39505	-.39992	-.40305	-.41071
1.200	17.753	.00822	31.66950	-.40770	-.41441	-.42030	-.42640
1.200	20.077	.00762	31.66115	-.42623	-.43108	-.43559	-.44405
1.199	22.173	.01330	31.64017	-.44444	-.44993	-.45283	-.46258

LAS1 TABULATED SOURCE DATA

LARC8TPT-684 (LA-51) (B2F1M1) (W1E1S2) (V1)

(PHV025)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPDBRK = .000

RUN NO. 111/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.350	-2.153	5.02597	7.99169	-17221	-15665	-19543	-18924
.350	-1.892	5.03520	7.99616	-17164	-15563	-19129	-18678
.350	1.963	5.03148	7.98273	-17476	-15494	-19491	-18850
.350	4.028	5.02238	7.99170	-17645	-15363	-20081	-18877
.350	6.076	5.00581	7.99170	-17740	-15243	-20882	-18971
.350	8.144	4.98350	8.00516	-17569	-15733	-20796	-18945
.350	10.227	4.95402	8.00516	-17711	-16339	-19813	-18564
.350	12.250	4.91992	8.00964	-18595	-17036	-19520	-18082
.350	14.338	4.87871	7.99619	-19474	-18191	-20211	-20182
.350	16.396	4.83894	7.98723	-20770	-19802	-21035	-21616
.349	18.450	4.77911	7.96035	-21808	-21288	-22013	-22207
.349	20.536	4.71902	7.96932	-23086	-22866	-23536	-23314

LAS1 TABULATED SOURCE DATA

LARC8TPT-684 (LA-51) (B2F1M1) (W1E1S2) (V1)

(PHV025)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPDBRK = .000

RUN NO. 113/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.350	-2.153	5.02597	7.99169	-17221	-15665	-19543	-18924
.350	-1.892	5.03520	7.99616	-17164	-15563	-19129	-18678
.350	1.963	5.03148	7.98273	-17476	-15494	-19491	-18850
.350	4.028	5.02238	7.99170	-17645	-15363	-20081	-18877
.350	6.076	5.00581	7.99170	-17740	-15243	-20882	-18971
.350	8.144	4.98350	8.00516	-17569	-15733	-20796	-18945
.350	10.227	4.95402	8.00516	-17711	-16339	-19813	-18564
.350	12.250	4.91992	8.00964	-18595	-17036	-19520	-18082
.350	14.338	4.87871	7.99619	-19474	-18191	-20211	-20182
.350	16.396	4.83894	7.98723	-20770	-19802	-21035	-21616
.349	18.450	4.77911	7.96035	-21808	-21288	-22013	-22207
.349	20.536	4.71902	7.96932	-23086	-22866	-23536	-23314

RUN NO. 114/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.801	-2.590	5.14250	29.85563	-19920	-19509	-21543	-21035
.800	-1.339	5.14942	29.79605	-19829	-19547	-20988	-20758
.800	1.872	5.14865	29.82645	-19482	-19529	-20350	-20134
.800	4.075	5.13593	29.80889	-18873	-19074	-19554	-19540
.800	6.332	5.11476	29.84310	-18172	-18664	-18650	-18852
.800	8.597	5.08444	29.82354	-18132	-18776	-18674	-18926
.800	10.796	5.05176	29.83196	-18330	-19111	-18745	-19337
.800	13.032	5.01571	29.81240	-18796	-19462	-18769	-19374
.800	15.238	4.96786	29.80598	-20405	-20964	-21288	-20651
.799	17.506	4.91702	29.79494	-23005	-23339	-22378	-24996
.800	19.770	4.86426	29.80046	-26492	-25992	-25670	-29974
.799	22.024	4.80573	29.79143	-31320	-30824	-30801	-34435

LA51 TABULATED SOURCE DATA

(PHV025)

LARC8TPT-684 (LA-51) (B2F1M1) (WIE1S2) (V1)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPDGRK = .000

RUN NO. 113/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.901	-2.656	5.17315	34.06438	-.24601	-.20765	-.23990	-.25106

LA51 TABULATED SOURCE DATA

(PHV026)

LARC8TPT-684 (LA-51) (B4F1M1) (WIE1S0) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 AILRON = .000 BDFLAP = -11.700
 SPDGRK = .000

RUN NO. 129/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.800	-2.290	-.00805	29.85544	-.21959	-.20547	-.22937	-.22379
.801	-.102	.00054	29.90353	-.21362	-.19741	-.22489	-.21895
.801	1.878	.00374	29.86706	-.21033	-.19161	-.22314	-.21580
.801	4.532	.00295	29.86797	-.20541	-.18671	-.22325	-.21241
.801	6.441	.00173	29.87117	-.20526	-.18732	-.22512	-.21251
.802	8.881	-.00029	29.91085	-.20829	-.19423	-.22748	-.21840
.801	10.961	-.00298	29.86095	-.21742	-.20681	-.23374	-.23029
.801	13.068	-.00030	29.88902	-.23434	-.23031	-.24735	-.25254
.801	15.181	.00175	29.87147	-.23889	-.26040	-.27087	-.27879
.801	17.416	.00448	29.88460	-.28320	-.28685	-.29501	-.30503
.800	19.724	.00291	29.82153	-.31983	-.32421	-.32582	-.35091
.800	22.083	-.00026	29.84230	-.38427	-.38560	-.39858	-.41250

RUN NO. 128/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.900	-2.461	-.00615	34.03965	-.23266	-.21901	-.24328	-.23910
.901	-.099	.00361	34.07313	-.21654	-.21187	-.22320	-.22412
.900	2.182	.00522	34.02629	-.21396	-.20358	-.22351	-.22255
.900	4.440	.00580	34.01841	-.21291	-.19988	-.22477	-.22172
.899	6.637	.00602	34.01929	-.22650	-.20351	-.23923	-.22877
.900	8.828	.00603	34.05300	-.24317	-.21870	-.25664	-.24495
.900	11.151	.00529	34.06701	-.26604	-.23455	-.27538	-.26742
.900	13.479	.00774	34.05847	-.28741	-.26594	-.29551	-.29964
.899	15.538	.00939	33.99475	-.30875	-.30245	-.32169	-.32855
.900	17.944	.00778	34.05957	-.34924	-.33640	-.36849	-.36228
.899	20.068	.01080	34.00219	-.38433	-.36725	-.40102	-.39553
.899	22.174	.00546	34.00002	-.44707	-.43236	-.46234	-.44982

LA31 TABULATED SOURCE DATA

(PHV026)

LARC6TPT-684 (LA-31) (B4F1M1) (W1E1SD) (V1)

PARAMETRIC DATA

BETA = .000 ELEVTR = .000
 ATLRON = .000 BOFLAP = -11.700
 SPDBRK = .000

RUN NO. 127/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.980	-2.445	-.00709	36.87592	-.39763	-.34748	-.42358	-.39685
.980	-.153	.00007	36.88616	-.39542	-.34093	-.41482	-.38856
.980	2.208	.00795	36.89568	-.39242	-.33877	-.40765	-.36373
.979	4.418	.00665	36.89612	-.38832	-.33391	-.40082	-.37862
.979	6.728	.00935	36.86052	-.39718	-.33848	-.40722	-.38318
.979	8.929	.00758	36.87294	-.41339	-.34519	-.41698	-.40087
.979	11.500	.00813	36.85388	-.44421	-.38174	-.45123	-.43354
.982	13.614	.01380	36.95951	-.48441	-.43166	-.49073	-.47780
.980	15.942	.01486	36.88324	-.51209	-.46500	-.51971	-.50408
.980	18.390	.00642	36.90443	-.53937	-.51877	-.54470	-.53626
.980	20.489	.00723	36.87589	-.55812	-.56677	-.57269	-.57112
.978	22.783	.00779	36.82527	-.61127	-.59153	-.60814	-.60550

RUN NO. 126/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
1.200	-2.506	-.01312	42.19591	-.35632	-.34385	-.35752	-.35153
1.201	-.057	-.00121	42.19136	-.34435	-.32827	-.35160	-.34490
1.201	2.253	.00357	42.20101	-.33656	-.31874	-.34604	-.33642
1.200	4.546	.00163	42.19072	-.34034	-.32678	-.34254	-.33479
1.200	6.976	.00231	42.18701	-.35005	-.34042	-.34491	-.34534
1.200	9.131	.00054	42.18329	-.36276	-.35166	-.35467	-.35988
1.199	11.454	.00007	42.17678	-.37617	-.37050	-.37562	-.38516
1.201	13.941	-.00034	42.26660	-.39184	-.39436	-.39776	-.40689
1.200	16.201	.00025	42.20593	-.41418	-.41634	-.42123	-.42208
1.199	18.438	.00012	42.17092	-.44386	-.44598	-.45336	-.45293
1.198	20.756	.00323	42.15239	-.47459	-.47693	-.48075	-.50164
1.200	22.982	-.00032	42.19398	-.49501	-.49762	-.50568	-.51202

LA51 TABULATED SOURCE DATA

LARC8PT-684(LA-51) (B4F1H1) (WIE150) (V1)

(PHV027)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPDBRK = .000

RUN NO. 95/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.351	-2.084	-.00399	8.03632	-.17604	-.14892	-.18274	-.18530
.351	-.080	-.00293	8.04346	-.17492	-.14783	-.18207	-.18323
.351	1.940	-.00099	8.04098	-.17361	-.14418	-.18264	-.17912
.351	3.976	-.00131	8.03442	-.17192	-.14394	-.18507	-.17630
.351	6.063	-.00104	8.04098	-.17173	-.14043	-.19480	-.17726
.351	8.083	-.00301	8.04547	-.17023	-.14317	-.19890	-.17903
.352	10.162	-.00200	8.06340	-.16986	-.14797	-.19367	-.18003
.352	12.278	-.00219	8.07235	-.17341	-.15710	-.19173	-.18449
.351	14.314	-.00140	8.05892	-.18024	-.17272	-.19484	-.19365
.351	16.299	-.00145	8.04549	-.18709	-.18791	-.20404	-.20190
.350	18.902	.00010	8.00068	-.20271	-.21472	-.21456	-.22367
.350	20.417	.00073	8.00067	-.22200	-.23629	-.22914	-.23165

RUN NO. 94/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.801	-2.448	-.01354	29.85563	-.20085	-.17733	-.20698	-.19966
.802	-.319	-.00323	29.90111	-.19786	-.17420	-.20657	-.19712
.801	1.938	.00124	29.85151	-.19319	-.16831	-.20630	-.19377
.801	4.281	-.00012	29.87517	-.18876	-.16467	-.20736	-.19099
.801	6.443	-.00106	29.86464	-.18718	-.16448	-.20957	-.19193
.801	8.435	-.00141	29.86174	-.18745	-.16788	-.20958	-.19283
.802	10.768	-.00228	29.89409	-.19054	-.17525	-.20850	-.19692
.800	12.945	-.00115	29.80598	-.19762	-.18879	-.21019	-.20613
.800	15.181	-.00026	29.83547	-.21133	-.21150	-.22185	-.22445
.800	17.244	.00167	29.82875	-.22968	-.23669	-.24308	-.25044
.800	19.548	.00029	29.83226	-.26475	-.27663	-.26839	-.27735
.801	21.768	-.00338	29.86876	-.31677	-.32980	-.32160	-.32041

LA51 TABULATED SOURCE DATA
 LARC8TPT-684 (LA-51) (B4FIMI) (WIE1SD) (V1)
 (PHV027)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 ATLRON = .000 BDFLAP = -11.700
 SPDRBK = .000

RUN NO. 93/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.900	-2.619	-.01376	34.01887	-.24595	-.19758	-.26240	-.24252
.900	-.219	-.00346	34.03068	-.24211	-.19520	-.25977	-.23978
.899	2.034	.00223	33.97813	-.23461	-.18865	-.25397	-.23186
.899	4.282	.00357	33.97025	-.22945	-.18331	-.25281	-.22406
.900	6.538	.00125	34.02587	-.23196	-.18035	-.25958	-.22547
.899	8.733	-.00154	33.99083	-.23663	-.17921	-.26737	-.23056
.899	10.993	.00079	33.99981	-.24786	-.18776	-.26531	-.23591
.899	13.325	.00539	33.99609	-.27237	-.21090	-.27353	-.25317
.900	15.458	.00543	33.99894	-.28819	-.23883	-.29120	-.28010
.899	17.727	.00744	33.99566	-.31159	-.26908	-.30118	-.30068
.899	19.988	.01182	33.96388	-.34803	-.30654	-.33756	-.32894
.899	22.038	.00609	33.98842	-.38800	-.37207	-.38844	-.37632

RUN NO. 92/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.979	-2.522	-.00898	27.62578	-.39299	-.34063	-.37105	-.36431
.980	-.230	-.00124	27.66609	-.38401	-.31876	-.36347	-.35784
.980	1.939	.00416	27.65659	-.38793	-.31220	-.36507	-.35577
.980	4.329	.00363	27.65292	-.39842	-.30961	-.37921	-.36174
.980	6.456	.00461	27.65877	-.41007	-.31703	-.39316	-.37038
.979	8.666	.00279	27.63607	-.42170	-.32854	-.41933	-.38793
.979	10.920	.00277	27.63380	-.44956	-.35980	-.44279	-.41204
.978	13.068	.00522	27.60963	-.47001	-.38348	-.45463	-.42846
.977	15.399	.00838	27.59708	-.48452	-.41147	-.46828	-.44943
.977	17.422	.00768	27.59265	-.49574	-.43854	-.48168	-.46593
.983	19.704	.00479	27.79027	-.52891	-.43854	-.53019	-.54503
.981	21.953	.00803	27.67271	-.54548	-.55097	-.55611	-.56542

LA51 TABULATED SOURCE DATA

LARC8TFT-684 (LA-51) (B4F1M1) (M1E1S0) (V1)

(PHV027)

PARAMETRIC DATA

BETA = .000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPD8RK = .000

RUN NO. 91/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
1.200	-2.450	-0.1308	31.62042	-.37044	-.35823	-.38761	-.39113
1.200	-.107	-.00279	31.63972	-.36140	-.35433	-.37181	-.37427
1.200	2.028	.00050	31.63898	-.34986	-.34699	-.36361	-.35173
1.200	4.242	.00162	31.64037	-.35018	-.34731	-.36322	-.34433
1.200	6.649	.00095	31.64417	-.35477	-.35425	-.37065	-.35010
1.200	9.377	.00135	31.63007	-.35919	-.35664	-.37186	-.35296
1.200	11.625	.00167	31.62839	-.37623	-.37158	-.38554	-.38206
1.199	13.299	.00229	31.61742	-.39886	-.39910	-.40422	-.40784
1.198	15.766	.00445	31.61337	-.42072	-.42205	-.42308	-.43106
1.198	17.844	.00483	31.60671	-.43256	-.43372	-.43776	-.44168
1.198	20.224	.00718	31.60004	-.44465	-.45145	-.45411	-.46123
1.199	22.150	.00758	31.63227	-.46693	-.46675	-.48146	-.47892

LARC8TFT-684 (LA-51) (B4F1M1) (M1E1S0) (V1)

(PHV028)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 AILRON = .000 BDFLAP = -11.700
 SPD8RK = .000

RUN NO. 100/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.350	-2.048	5.03085	8.01412	-.17324	-.15746	-.19401	-.18882
.351	.046	5.03405	8.02757	-.17295	-.15907	-.19463	-.18897
.351	2.612	5.03053	8.05445	-.17566	-.15762	-.20006	-.19069
.351	4.203	5.02154	8.05894	-.17697	-.15474	-.20509	-.18872
.351	6.208	5.00596	8.04551	-.17585	-.14987	-.21057	-.18856
.351	8.199	4.98275	8.03207	-.17520	-.15198	-.21747	-.18980
.351	10.279	4.95440	8.04552	-.17304	-.15779	-.21337	-.18949
.351	12.346	4.92000	8.02760	-.17295	-.16187	-.20541	-.18850
.351	14.299	4.88181	8.04104	-.17595	-.17233	-.19852	-.19100
.351	16.819	4.82234	8.03656	-.18260	-.18783	-.20471	-.20372
.351	18.572	4.77765	8.02761	-.19594	-.19831	-.21009	-.21564
.351	21.577	4.68776	8.02312	-.22233	-.22740	-.23411	-.23308

LA51 TABULATED SOURCE DATA

PAGE 139

LARC6TPT-684 (LA-51) (B4F1H1) (W1E1S0) (V1)

(PHV028)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 ATLRON = .000 BDFLAP = -11.700
 SPDRK = .000

RUN NO. 99/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.801	-2.249	5.14426	29.86536	-1.9852	-1.9163	-2.1597	-2.0706
.801	-1.193	5.14822	29.88460	-1.9828	-1.9415	-2.2170	-2.0556
.801	1.902	5.14854	29.89864	-1.9630	-1.9495	-2.0694	-2.0145
.801	4.050	5.13545	29.87268	-1.9015	-1.8995	-1.9804	-1.9532
.800	6.391	5.11490	29.84072	-1.7944	-1.8369	-1.8496	-1.8754
.800	8.653	5.08734	29.84611	-1.8071	-1.8671	-1.8585	-1.9233
.801	11.191	5.04653	29.86887	-1.8576	-1.9161	-1.9071	-1.9685
.800	13.083	5.01170	29.82304	-1.9283	-2.0030	-1.9506	-2.0063
.800	15.175	4.97024	29.85253	-2.0717	-2.1180	-2.0623	-2.1180
.800	18.650	4.88992	29.85313	-2.3290	-2.4257	-2.3633	-2.4400
.799	20.045	4.84898	29.80025	-2.5944	-2.6814	-2.6233	-2.5738
.800	21.916	4.77989	29.82976	-3.0427	-3.1830	-3.1113	-3.1355

RUN NO. 98/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.900	-2.576	5.17482	34.05388	-2.5101	-2.21074	-2.25385	-2.25246
.900	-1.281	5.18175	34.03703	-2.4660	-2.1437	-2.24756	-2.24740
.900	1.946	5.18000	34.04250	-2.4346	-2.1125	-2.24388	-2.24185
.901	4.281	5.16798	34.07225	-2.3762	-2.0183	-2.23925	-2.23557
.900	6.606	5.14313	34.02367	-2.3507	-1.8845	-2.26424	-2.24584
.901	8.848	5.11374	34.07290	-2.3551	-1.8465	-2.29167	-2.24736
.900	11.624	5.06648	34.03790	-2.4604	-1.9751	-2.28159	-2.24188
.900	13.846	5.02480	34.02739	-2.6227	-2.21719	-2.27383	-2.25155
.899	15.613	4.98794	33.99717	-2.8100	-2.4098	-2.27716	-2.26647
.899	17.754	4.92695	34.01688	-3.0531	-2.7866	-2.29668	-2.28884
.899	20.037	4.85637	34.01141	-3.4566	-3.3471	-3.3069	-3.3405
.899	22.272	4.77778	34.00132	-3.9428	-3.8543	-3.3924	-3.38551

LAS1 TABULATED SOURCE DATA

LARC8TPT-684 (LA-51) (B4F1M1) (W1E1SD) (V1)

(PHV028)

PARAMETRIC DATA

BETA = 5.000 ELEVTR = -10.000
 AILRON = .000 BDCLAP = -11.700
 SPDBRK = .000

RUN NO. 97/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
.978	-2.397	5.14725	27.62711	-.39213	-.34906	-.38951	-.38295
.979	-.257	5.15432	27.65211	-.39489	-.34521	-.38534	-.37852
.981	2.075	5.15086	27.71454	-.39792	-.34928	-.39368	-.38225
.981	4.295	5.13557	27.69266	-.39822	-.34684	-.40226	-.38661
.981	6.469	5.11372	27.69922	-.40421	-.33982	-.41381	-.39380
.980	8.907	5.08076	27.67778	-.42077	-.33796	-.43035	-.40596
.979	10.915	5.04540	27.64847	-.43880	-.36397	-.44687	-.42434
.979	13.343	5.00353	27.64182	-.45242	-.38457	-.46823	-.43724
.978	15.396	4.96338	27.63008	-.45266	-.39767	-.46738	-.44033
.979	17.712	4.90690	27.64255	-.46276	-.44424	-.45814	-.45258
.979	19.892	4.84151	27.64840	-.50477	-.50290	-.49833	-.48932
.980	22.108	4.77346	27.69383	-.54494	-.53992	-.53479	-.52886

RUN NO. 96/ 0

MACH	ALPHA	BETA	Q (KPA)	CP1	CP2	CP3	CP4
1.199	-2.375	5.16956	31.62708	-.38011	-.37122	-.39334	-.39203
1.199	-.218	5.17204	31.64017	-.37756	-.36774	-.38805	-.38770
1.200	2.203	5.16367	31.64770	-.36767	-.35860	-.37544	-.37891
1.200	4.427	5.14573	31.64631	-.36556	-.35283	-.37108	-.37325
1.200	6.486	5.12317	31.64185	-.37410	-.36169	-.37473	-.37143
1.199	8.788	5.09329	31.64259	-.38611	-.37021	-.38471	-.38472
1.199	11.404	5.05107	31.63022	-.40045	-.37559	-.39760	-.39818
1.199	13.607	5.01507	31.64017	-.40874	-.39002	-.41313	-.39803
1.199	15.598	4.97428	31.63951	-.41687	-.40285	-.42469	-.40412
1.200	17.700	4.92297	31.64807	-.42544	-.42241	-.43586	-.41445
1.199	19.923	4.86056	31.63637	-.44273	-.44341	-.45004	-.43061
1.199	22.209	4.79168	31.63637	-.46891	-.46546	-.46311	-.45032